PUBLISHED QUARTERLY $5.00

QCWA Journal

Founded in 1947

VOLUME L | *Summer - 2001* | NUMBER 2

Quarter Century Wireless Association
159 E. 16th Ave.
Eugene, OR 97401-4017

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QUARTER CENTURY WIRELESS ASSOCIATION, INC.

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QCWA National Nets
SSB - Sunday at 2000Z on 14347
CW - Wednesdays at
2000E on 7035

QCWA JOURNAL is published four times a year (quarterly) by the Quarter Century Wireless Association, Inc. Membership in QCWA, including a subscription to the Journal, is available to individuals who qualify in the United States and its possessions at the following rates: $20 for one year; $35 for two years; $50 for three years; and $300 for life. For foreign membership rates, please contact the business office.

POSTMASTER: Please send change of address to QCWA, Inc., 159 E. 16th Ave., Eugene, OR 97401-4017.

The 2001 QCWA Convention

A Caribbean Cruise by Chapter 162

Check it out on pages 28 and 29

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Earl R. Thomas, W2MM (SK)	1965 - 1968
Clarence Seid, W2KW	1969 - 1971
Barry Goldwater, K7UGA (SK)	1972 - 1973
Frank A. Gunther, W2ALS (SK)	1974 - 1977
Harry S. Gartsman, W6ATC	1978 - 1981
Stuart Meyer, W2GHK (SK)	1982 - 1985
Leland Smith, W5KL	1986 - 1989
Harry Dannals, W2HD	1989 - 1994
Lew McCoy, W1ICP (SK)	1994 - 1996
John Kelleher, W4ZC	1996 - 1998

Executive Secretary/General Manager

Ralph Barber, W2ZM (SK)	1955 - 1964
Gus Gironda, W2JE (SK)	1965 - 1973
Ethel Smith, K4LMB (SK)	1974 - 1976
Ted Heithecker, W5EJ (SK)	1976 - 1991

The QCWA Journal

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The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a non-commercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed.

Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 541-683-0987. Fax, 541-683-4181.

From the President

Gary R. Harrison, KØBC

Your opportunity to volunteer to be a candidate for the QCWA Board is about to expire! The nominating committee must finish its work in time to report a slate of candidates by July 31, 2001. This is the last Journal issue before that deadline. To serve on the Board you must have either email or fax equipment. There is some personal expense for travel, as Board members must attend all Board meetings. Currently there is a minimum of one meeting per year. The next Board meeting will be in Miami, Florida in late October. To volunteer or provide a candidate to the committee send an email or letter to John Huntoon, W1RW. John's email address is johunt@snet.net and his mailing address is 574 Hills Street; East Hartford, CT 06118-3030. Candidates may be added to the ballot by petition. Petitions must be submitted before December 31, 2001. Petition forms are available from Headquarters.

In my last column I mentioned the discussion under way about providing for an additional membership level to allow members licensed less than 25 years to be a part of QCWA. The potential for more members should be greatly enhanced. Some of our older friends, who may never be eligible under current guidelines, could be active participants in our Association. Guests and friends of QCWA would have official recognition and status. We have not had as many members as we had hoped to join in this discussion. I appreciate the ones who have taken time to respond and would like for more to share their opinion with us. My email and mailing address appears on page 2 of every issue of the Journal. Please share your opinion with me or other members of the Board.

Carolyn and I had the opportunity to visit with seven chapters while we were dodging Missouri weather in February. I want to thank all of the chapters that extended their warm hospitality and allowed us to visit. We were in West Palm Beach, Sarasota, St. Petersburg, Lakeland, Fort Meyers, Orlando and Ocala, Florida. We got to see what happens when there is a swamp fire near Interstate 4, even taking part in two hours worth of traffic jam. I appreciated the chance to mention some of the things going on in QCWA to the chapters. I attended the Miami Tropical Hamboree and the Orlando Hamcation along with some other members of the Board.

The booking of cabins for the Convention Cruise is going very well. I have had several tell me they will be on the Westerdam with us. This will be my first time for a cruise. The radio part of the cruise should make an excellent event even nicer. Look for the information about the cruise in this issue. Call White Travel Service (1 800 547-4790) quickly as the reservation deadline is approaching. I have our cabin reserved, do you?

2001 QCWA Convention Pins are Available

The 2001 QCWA Cruise Convention pins have arrived and are available for Five Dollars each. The colorful pin in the shape of Wisconsin has the year, host chapter - 162 and a cruise ship depicted on its face. There are members who collect the yearly pins who are not able to participate in this event or may want to give the pin as a gift. All the folks taking the 2001 QCWA Cruise will be receiving a pin as part of their cruise package. The late arrival of the pins and the early deadline for this issue prevents the inclusion of a picture in the Journal. Twenty percent of each sale will be given to QCWA Headquarters for a use that is still to be determined. Please send a check made out to QCWA, Chapter 162, in the amount of five-dollars for each pin ordered to:

Larry McCalvy, WA9JMO - 5400 Six Mile Road - Racine, WI 53402-9741.

EIGHTY-YEAR AWARDS

Harold Johnson W2CHC

Seems Like Yesterday

According to Harold Johnson, eighty years as a continuously licensed amateur radio operator has passed by so fast, that it seems like yesterday when it all began.

Born in Florida in 1905, he celebrated his ninety-sixth birthday this year and remains in good a health. His family moved to Yonkers, New York, in February 1905 for better opportunities, when he was one year of age. In Harold's late grammar school days around 1917, he became aware of that new invention called radio. Nearby in Yonkers there were ship-to-shore stations activities - engaged in the business of communications. When the United States entered the War in 1917, the Navy accelerated the use of communications between naval vessels and shore stations. The information about this was widely publicized and eventually filtered down to Harold and his grammar school friends.

They were attracted to the mystery of this new scientific invention, and the romantic idea of talking by code to each other. Harold says, he and his friends began to educate themselves on wireless by reading magazines that featured these scientific phenomena. Soon they understood the basics of wireless and learned from others the capability of the Ford auto spark coil. Best of all, these coils were readily available because the Ford auto was the leader in auto production.

It wasn't long after this that Harold and his friends were building their own elementary spark coil stations for personal communications. It was also 1918 and the War had ended, and communications restrictions imposed by the US Navy for security were lifted. Not that it mattered much to Harold and his friends, because they knew little to nothing of the simple radio regulations and licenses of that period. They operated without licenses and practiced their code, and identified themselves by the initials of their names. They did not know it, but they had become "bootleggers". The term applied to illegal liquor operations and seemed appropriate to apply to radio operators who didn't have a legal license. It is part of the folklore of amateur radio - now viewed with some amusement and nostalgia.

Harold entered Yonkers High School where his wireless radio interest became evident to his instructors. One of them sought to offer advice in a well-meaning way, because Harold was not spending enough time on his studies, in favor of wireless. He predicted that nothing good would come from wireless and that it would soon fade away. As is common with teenagers of any period, Harold ignored the well-meant advice, for he knew better than his elders. Harold and his friends continued to operate spark without licenses, and in code.

In the time period of 1920 and 1921, Harold became aware of radio regulations of the time, and decided to obtain an amateur radio license. In the summer of 1921, after he completed his sophomore year in high school, he visited the Radio Inspector (usually called the RI) at the federal building in New York City. Harold was successful on the first try, and shortly therefore was issued a certificate of successful accomplishment in theory, and code of ten words per minute. Among the several signatures on this certificate is that of Herbert Hoover, Jr., then Secretary of Commerce and later President of the United States. Harold still has the large green colored certificate framed for display, and which proclaims to all in bold letters that Harold Johnson is a Radio Operator First Class. The station license issued to him was 2CHC. The W country prefix for the United States was not part of the call sign of the period.

After graduation from high school in 1923, Harold entered New York University but later discontinued his formal education in favor of employment. In 1930 he married his sweetheart Lois who was then a schoolteacher in Yonkers, and raised a family. They celebrated their seventy-first wedding anniversary this year.

In 1932 Harold enrolled in the RCA Institute, and upon completion obtained a Commercial Radio Operator License. He sought employment at various radio broadcast stations in the area during The Great Depression of the 1930s. Later he joined the Sperry Gyroscope Company on Long Island where he served as technician. After World War II he was employed by the ITT organization in New Jersey where he served in the new television equipment department. Harold and a technical team from ITT traveled to Buenos Aires, Argentina to install that city's first TV station.

In the 1960s Harold retired from ITT and moved the family to Clearwater, Florida. He was required to drop his call sign of W2CHC by the regulations of that time, and was issued the call sign K4GVB. Later in 1995 he was issued KU4HG as an Advanced Amateur licensee. Harold felt a keen sense of loss by giving up his original call sign. When the Vanity Call Sign period arrived, Harold applied for and was reissued his original and first call sign. This was a very happy moment for Harold.

During his lengthy time in amateur radio, Harold has been a member of many radio clubs and electronic organizations. Among the national organizations are the ARRL, OOTC, AWA and QCWA with membership number 6101. He and his wife Lois regularly attend all the meetings of the Florida Gator Chapter 32 of QCWA.

Over the years his Ham station has changed with the times, from Spark to SSB, some items constructed and others bought. Currently his station is located in his apartment on the ninth floor in an assisted living facility in Clearwater, Florida. It consists of a Kenwood TS 820, and an all band dipole on the roof. Look for him on his favorite 20-meter band.

His amateur friends in the Gator Chapter are very happy to recognize Harold's eighty continuous years as a licensed radio amateur. Harold says it would be 85 years if he were given credit for his unlicensed years. Croft Taylor VE3CT, Vice-president of QCWA, presented the handsome plaque provided by QCWA to honor this old timer. This was plaque number 11. National Directors of QCWA also in attendance at this ceremony on Saturday, January 6, 2001 were Alan Pickering KJ9N, Arthur Kunst W3WM, and John Edel K8LBZ, long time former Director. Congratulations to you Harold from your many friends in amateur radio. May you be blessed with continued good health, and many more years in amateur radio.

Submitted by Arthur Kunst W3WM

Adriel H. Spaulding W4PUZ

Eighty Years and Still With It

Yes, that is what ninety-six year young Adriel H. Spaulding W4PUZ said about his long association with amateur radio. Longevity is also is the reason "Red", as he prefers to be called, was honored by The Quarter Century Wireless Association. He received the 80th Anniversary Award as a Distinauished Member and licensed radio amateur on February 14, 2001.

The handsome plaque number fourteen was presented at the monthly meeting of the Pelican Chapter 128, St. Petersburg, Florida by QCWA President Gary Harrison. Other QCWA Board members in attendance at this important event were Alan Pickering KJ9N, John Johnson W3BE, Arthur Kunst W3WM, and long time former director John Edel K8LBZ.

Born in Battle Creek, Michigan in 1904, "Red" first became aware of ham radio when he entered Battle Creek High School. The school supported its own ham radio station, first licensed as 8QU in 1919 and later changed to 8YN.

The equipment of the station transmitter was a 1 KW transformer, rotary spark. The antenna was a "T" with a counterpoise. The receiver consisted of two Cunningham vertical tubes, serving as a detector, and an amplifier. "Red" still has a black and white picture of the station, which he photographed with his Kodak Brownie camera. This information and photo was furnished by "Red" and published in QCWA Journal fall 1994 issue, page 136.

At age of 16 "Red" passed and was granted his first amateur radio operator license. As a member of the high school radio club, he remembers that most of his QSOs were local although the station power was 1000 watts. But he remembers with great pleasure, the DX contact he made with a station in Iowa, some 600 miles distant.

In December 1921 while yet in high school, "Red" was issued his first station license with call sign 8BGI. Using a basic Ford auto spark coil, he operated his own ham station with a licensed power of twenty-four watts. This information is recorded in the call book of that period published by the Bureau of Navigation, Department of Commerce page 154. Most of the components of the station were old radio parts, or home constructed elements, and the antenna was a long wire antenna, at a wavelength of 200 meters. "Red" described this license as the entry-level license of that time.

On February 12, 1922, "Red" successfully passed the Class B license exam that permitted transmitter power of 250 watts.

For many early ham radio spark operators, operating 'bootleg' without a license was frequently part of the introduction to ham radio of that day. Not so for "Red" Spaulding, as he proudly states that he was legal always, and followed the regulations!

In 1925 he moved to St. Petersburg, Florida where he undertook the study of pharmacy, and was state certified eventually as a registered pharmacist. He continued in this profession for sixty-two years until his retirement.

"Red" and his wife Nora celebrate their 70th Wedding Anniversary this year. Both are in good health.

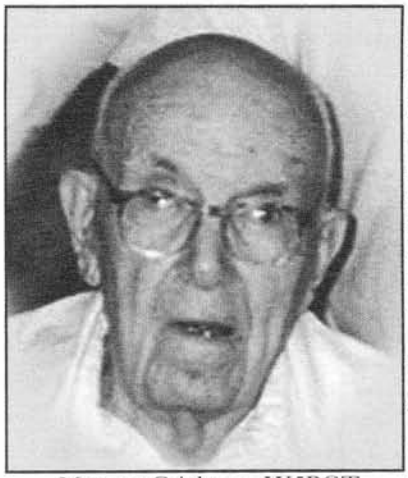
The study requirements of his profession, and the long hours of work to make a living during the Depression Years took their toll of his interest in amateur radio. He let his license expire and did not reenter the hobby until many years later.

In 1970 now in retirement and with more free time available, "Red" passed the amateur radio exam for novice class of license, and was issued the call sign ofWN4RXT. This became WB4RXT in 1972 after passing the General class license examination. In 1978, the station call sign of W4PUZ was received, and continues in use today. He reentered with a Drake TR-4 and now uses an ICOM 735.

In this time period of renewed ham radio activity,"Red" became a member of various local and national radio organizations including the ARRL and QCWA with membership number 7733.

As he reminisces, "Red" states with pride that he took his Class B license exam at the first ARRL Convention in Lansing, Michigan in February 1922. He was a member of the League when a subscription was one dollar a year. "Red's" memory is very sharp as to dates and events. He tells of listening to the historic KDKA on its second night as a radio broadcaster.

All of his radio friends wish "Red" and his wife Nora many more healthy and happy years. He plans to put his new plaque along side his 75-year plaque number sixty-five awarded to him in January 1996.



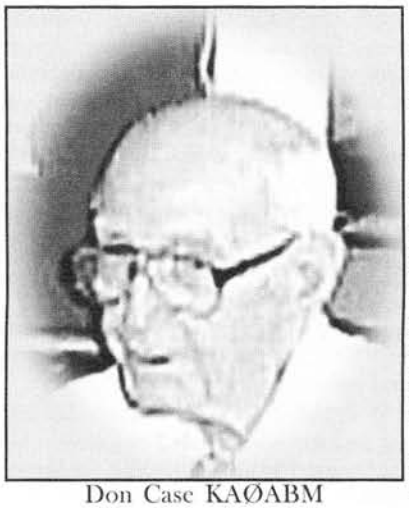
Merton Crichton, W5PGT

Merton (Mert to those of us in the Amateur Radio community that know him) of Winter Park, Florida is a real pioneer of Amateur Radio. His first license was issued in 1921. A station had two licenses at that time, an operator's license, issued April 23, 1921 and one issued for the station, 8BRM, on September 10, 1923. This license detailed the transmitting equipment and the antenna that was to be used. The Department of Commerce, Secretary Herbert Hoover, issued these licenses, which are listed in the callbooks of the Department of Commerce in 1921 and 1923. Licenses were issued for a period of 2 years.

His first station was equipped with a spark gap transmitter "CW 200 watt" operating in the 176 to 200 meter band, according to his license. The receiver was the classic first unit for many hams, a wire-wound Quaker Oats box, with a galena crystal and a pair of headphones. The antenna was a 5-wire Cage, 70 feet long and 60 feet above the ground. Through the years other equipment has been made or bought to keep up with the ever-changing requirements of being a good Amateur Radio operator. The station today is very modern, a Kenwood 950SD feeding an Amitron AL1200 linear with a MJF989C tuner. Antennas are a Mosley Classic 33 or a Cushcraft R5

DX has been enjoyed through the years, as a confirmed total of 283 countries will attest. Daily check-ins to the "Old Goat's" and other networks keep him in touch with his friends in his former home state of Pennsylvania and around the world.

Citrus Chapter #45, QCWA



Don Case KAØABM

Don B. Case (QCWA #14064) received his first license as 9DTX in 1921. Recently, Chapter 58 honored Don by presenting him 80 Year Certificate number 19. This is indeed a rare honor within the QCWA and ham radio. Several members of Don's family attended the presentation including his son Don Jr., grandson, and great-granddaughter.

Don explained that his first exposure to ham radio was via a friend whose brother was a ham. He was fascinated by the spark transmitter and the lure of electronics never left him. World War I interrupted amateur radio in the United States, but afterwards he was bootlegging to get on the air. Don can recall that when 9QL found out about this bootlegging he was seriously admonished and encouraged to get a proper license, which he soon did receiving 9DTX.

In 1937 Don's interest in electronics led him to opening his own radio repair shop in Denver, Colorado. He recollected that he took a TV repair course from Denver University in 1951. People were showing up in the area with broken TV's, however, the first broadcast station in Denver did not go on the air until 1952! Don was fixing TV's in Denver before there was TV in Denver. He said if he could just get snow on the screen he had to consider the set fixed.

Raising a family and running his business took a toll on his ham activity and he let his original license lapse. But in the 70's the CB craze again sparked his interest in communication and he was licensed as KAØABM. Don just turned 97 on February 1st and is still active from the care center at which he lives, most often checking in to the Denver RADOPS net.

Chapter 58 would like to congratulate Don on his accomplishment and wishes him the best. We only hope that we can present him an 85-year award in five years.

By Skip Withrow WBØBBE - Secretary/Treasurer - Colorado Chapter 58

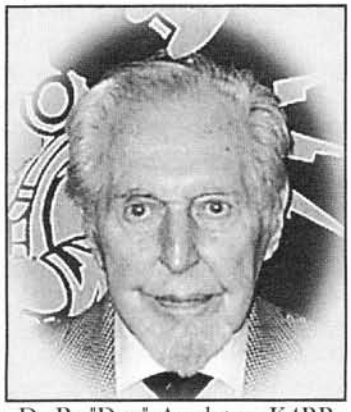
Cliff Fay, K7BQ

Cliff Fay, K7BQ was born in 1903 in St. Louis, Missouri. At the age of 16 he and some other members of his high school science club went to take the exam for a radio license. Cliff received the call 9ARG in 1920 and set up a rotary spark gap transmitter in his Mother's kitchen. He had a regenerative receiver and worked stations in Elizabeth, NJ and Roswell, NM using an inverted L antenna about 60 feet off the ground. Cliff mentioned hearing a commercial experimental station 8XK in the ham band before KDKA was on the air. While in high school Cliff had a job replacing liquid batteries for door bells with the new #6 dry cells.

Cliff attended the January 20th Arizona Chapter QCWA 16 meeting in Surprise, AZ to receive his 80 year award.

Bill Symons K4IH

Robert E Baird W9NN



D. B. "Doc" Appleton K4RR

Joe Strazzarino W6BWZ

75-Year Awards

Charles L.D. Allen K4AXB

At our January luncheon meeting Citrus Chapter was proud to present a 75-year plaque to Charles L. D. Allen K4AXB. Charlie has held a number or licenses during his 75 years as a Radio Amateur. The annual Chapter Report issued by QCWA HQ does not list his first call, 9DSR, issued as a conditional license, in March 1926 when he lived in Seneca, Kansas; (The 0 district had not been born at that time).

A year later he went to Dayton, Ohio and got a job winding small motors for Leland Electric Co. He applied for change of address on the Ham license and the Department of Commerce issued a new call sign 8COQ; later in 1927 he went to Boston, MA to attend Eastern Radio Institute and acquired another call, W1CUQ. After completing the Eastern Radio course and passing the Commercial First Class license exam, he got a job on a Greek passenger ship, the SS Byron for one trip to the eastern Mediterranean. The ship's radio equipment consisted of a 1.25 KW spark transmitter with synchronous rotary gap, and Belgian made receivers. The return voyage on this trip was through a continuous series of north Atlantic storms from Gibraltar to New York and when it was over, Charlie decided to postpone any more seagoing for a while.

Charlie went back to Dayton, where a brother lived, and got a job in a broadcast station, WSMK .He was reissued his 8COQ call sign with a W prefix. A year or so later he moved to Grand Rapids, Michigan and worked at broadcast stations WASH and WOOD. In the mid 30's, Charlie enlisted in the Naval Communications Reserve as a Radioman. He applied for and received a commission as Ensign USNR. He was called to active duty early in 1941 and assigned to the Navy Department code room in Washington DC. Another new call, W3JKD was active from nearby Arlington, VA until ham radio QRT for WW2.

At the end of the war, Charlie transferred from USNR to regular Navy. There followed a succession of assignments with a move every two to three years and a new amateur radio call sign for each new QTH: Long Beach, CA Naval Shipyard - W6ZDW; Ninth Naval District. Great Lakes, IL - W9IXI; Armed Services Electrostandards Agency, Fort Monmouth, NJ - K2BNZ; Staff, CINCLANT Fleet, Norfolk VA - K4AXB. The last call did just fine during a last tour of duty in the Bureau of Ships, Navy Department in Washington.

Charlie retired from the navy as a captain in 1963. He worked for the TechRep Division of Philco Corporation in Washington and Philadelphia until deciding to move to a warmer climate in 1965. He has lived in Orlando ever since and has been active on 20 meter SSB and CW, when not off traveling, fishing or camping. He had to give up these diversions several years ago however, due to macular degeneration which has left him legally blind.

Charlie and Winifred, his wife of nearly 70 years, live on the 14th floor of a retirement high-rise in downtown Orlando. They have two daughters; one lives in Winter Park adjacent to Orlando and the other near Seattle, WA. Before he moved to his present QTH, he negotiated the installation of a five band Mosley TA-53M beam antenna on the roof at the 20th story level, 208 feet above the building parking lot. Feeding the antenna is a TS830S and an SB-200 amplifier. There have been no TVI or other R FI complaints. This has also proved to be a good location to access the local 2-meter repeaters using an indoor antenna.

In addition to QCWA Charlie is a member of ARRL, the Orlando Amateur Radio Club and the FISTS CW Club. He is a regular attendee of the Chapter meetings and has been active in Chapter affairs, serving a couple of terms as president.

Citrus Chapter 45, QCWA

MEMBERSHIP ADVISORY NOTICE

In accordance with the By Laws of the Quarter Century Wireless Association, Inc., Article IX, AMENDMENTS, Section 3, the membership is hereby advised of an amendment to Article 1, MEMBERSHIP, Section 2(d). New paragraph 2 is added to read as follows:

2. Life membership shall be granted to a member when 75 years have passed since the member was first issued a license to operate an amateur radio station.

The above amendment will become effective October 1, 2001, at 0001 UTC.

John B. Johnston, W3BE Chairperson
Administration Committee PRELIMINARY DRAFT April 19, 2001

Gen. Manager's Report

Jim Walsh, W7LVN

Again it is time for the news from Headquarters. This time, I am happy to report that we completed the scanning project the other morning, when we hit 30,800. I never thought we would ever get to that point when we started several years ago. All of the old apps are now stored in the locker and we are really utilizing the file drawers.

New applications continue to come in to the office and the general statement that we hear is " I have waited twenty-five years for this..". Take a look at the new members section of the Journal. They are out there, all you have to do is make contact and issue the invitation to join. Then, you Chapter people, check the list and invite the closest members to come join with you.

A couple of Chapters are back in full swing again after some problems with replacing officers. One of these is the Founders' Chapter #46 and the other one is the Oregon Coast Chapter #175. We never know how important our officers are until we do not have their services available. A common thread of conversation from our Chapters is the difficulty of getting members to take their turn as an officer of the Chapter. When the existing leaders are finally at the end of their leash and indicate there will be no more meetings, it is surprising how many then volunteer to do the job. What a refreshing feeling to see a Chapter become active again.

Coming Events

45th Annual QCWA QSO Party
October 6 and 7, 2001

SPECIAL EVENT

Bedford, VA: Old Dominion Chapter #202
QCWA and other area Clubs will operate the Special Call Event Sign WW2DDM commemorating the dedication of the National D-Day Memorial in Bedford, VA.
1700-2400Z June 6 to June 10.
7.050, 7.250, 14.050, 14.230, 21.050, 21.230, 28.050, 28.350, 50.222, 144.222.
Send SASE for QSL or Certificate to Charlie Beckwith, K4BSF, 563 Buzzard Rock Lane, Rocky Mount, VA 24151-4844.
For additional information see: www.usit.net/~pob/qcwa

Special Announcement

This is to announce that Cleveland Chapter No.1 is celebrating their 50th anniversary.

Their Charter was received January 6,1951. At their luncheon meeting, January 13, 2001 a cake was had to celebrate their Birthday.

Jack Goldfarb W8WGO - Cleveland Chapter No.1

Memorial Scholarship Fund Donations

NAME	HONORING
Leo Meyerson	
Chapter 63	WA7WFU
Chapter 148	W1HDQ
Ruby S Felt	N2XJ
Bristol Radio Club, Inc	
Chapter 12	K4GGX
Chapter 150	
Chapter 32	W4DLL
Ruby S Felt	K2LOV
Chapter 41	K5IRM
George Roach	
E-Z Lettering	
Chapter 64	K5GSA
Chapter 38	W5KQG
Nelson M Seese	K4MM
Chapter 89	WA4MSV
Chapter 91	
Chapter 21	W8LDQ
Chapter 41	W5ZYA
Chapter 62	
Chapter 63	NJ5S & W7DAD
Chapter 51	K5INE
Chapter 169	
Chapter 166	W3BED
Chapter 126	W4NJJ
Chapter 188	

QCWA Endowment Challenge

James Degge

Arch Doty

Harold W Johnston

Donald L Doughty

Alan Pickering

Arthur Kunst

Copy of the front cover of the world's first vacuum-tube catalog by De Forest Radio Company. Submitted by Bill W6DDB.

QCWA HISTORICAL MATERIAL WANTED

It is important that we preserve any or all material pertaining to the history of the QCWA for posterity. If you have items to contribute to the historical record of the QCWA organization, please contact:

Historian Wesley Randles, W4COW
6002 N. Fremont
Tampa, FL 33604
Ph: 813-870-0867
e-mail: w4gxz4@juno.com

Hidden Messages

An anagram is defined as a word or phrase made by transposing the letters of another word or phrase.

For instance, if you rearrange the letters, "George Bush" it can spell, "He bugs Gore."

More interesting though, rearrange "The Morse Code" and one gets, "Here come dots".

Examination credit as a result of Incentive Licensing

On Oct. 22, 2000, Gary R. Harrison, KØBC (Bolivar, MO) filed a Petition for Rulemaking on behalf of the Quarter Century Wireless Association (QCWA) requesting a rule amendment "...to require that VEs give examination credit for written examination Element 4 to an examinee who can show he or she held a Conditional, General or Advanced Class operator license before Nov. 22, 1968."

The petition states that "...on this date, Amateur Radio operators holding these classes of operator licenses lost significant frequency privileges as a result of the Commission's Incentive Licensing decision, and that no useful purpose is served by continuing to deny the privileges withdrawn from these operators. ...today there are, at most, a few thousand licensees still affected by this decision, which they perceive was unjust." If granted QCWA's request would permit these individuals to upgrade to the Amateur Extra Class operator license without passing the required Element 4 written examination.

Again the FCC said that to upgrade from a General or Advanced Class license to Amateur Extra Class only requires that an individual answer pass a fifty question written examination.

In dismissing the petition, FCC also noted that the Amateur community "...expressed the view that current licensees should not receive additional privileges without passing the required examination elements"

From W5YI Report May 1, 2001

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Amateur Radio Satellite News

by Keith Pugh, W5IU/VK6BRB, Vice President, Operations, AMSAT-NA,
3525 Winifred Dr., Ft. Worth, TX 76133

Phase 3D/AO-40 Launch and Initial Operations plus Amateur Radio on the International Space Station

INTRODUCTION -

Since the last issue of this column appeared in print, Phase 3D has been placed in orbit and re-named AMSAT OSCAR 40 (AO-40). It has suffered a "rocky" start but is now on the road to becoming a useful "Bird." Also, the International Space Station has now seen its first long term crew, Expedition 1, come and go. The Expedition 2 crew is now in place and activity is picking up. With these milestones accomplished, the Amateur Radio on the International Space Station (ARISS) project is underway.

AMSAT OSCAR 40 -

Launch - After the completion of a long launch campaign, Phase 3D was launched by an Ariane 5 launcher, along with three other payloads, on November 16, 2000. The launch was a "textbook perfect" launch, on schedule, with the primary payload separated first, two other secondary payloads next, and finally, Phase 3D became AO-40 as it left the launch vehicle. Live launch coverage was provided by Arianespace from Kourou, French Guiana, via a TVRO satellite and via the Internet. The Kourou Radio Club also provided launch coverage via their club station on 20 meters. Within North America, coverage was provided via the AMSAT Launch Information Net Service (ALINS). This author had the pleasure of coordinating the ALINS for this launch. A brief description of this activity is in order.

The basis of the ALINS activity was a Teleconference Bridge provided by Nick Pugh, K5QXJ, in Lafayette. LA. Without Nick's generous donation of the Bridge, none of the following would have been possible. First, Harold Reasoner, K5SXK, provided the down link from the TVRO satellite in his living room along with a connection into the Teleconference Bridge and a feed to a wide area 2 meter repeater in Fort Worth, TX. I provided the real time commentary from the TVRO feed into the Bridge from Harold's house. Other commentators on the Bridge were: Robin Haighton, VE3FRH, President of AMSAT-NA; Bill Tynan, W3XO, AMSAT-NA Chairman of the Board; Stacey Mills, W4SM, North American Command Station Operator; Chuck Green, N0ADI, Second-in-Command of the Launch Team; Jim White, WD0E, RUDAK Coordinator; and Andy Mac Allister, W5ACM, AMSAT Board Member.

Outlets from the Bridge were: Goddard Space Flight Center ARC, WA3NAN, coverage on 3.860, 7.185, 14.295, 21.350 MHz, and 2 meter coverage in the Washington, D.C., area; Jet Propulsion Laboratory ARC, W6VIO, coverage on 7.188 MHz and 2 meter coverage in the Los Angeles area; Houston AMSAT Net, W5ACM/KK5DO, TVRO feed to participating individuals and repeaters throughout North America and Houston, TX, area coverage on 2 meters; Lanny Priddy, K5LP, 3.840 MHz transmission from Fort Worth, TX; Art Serrano, KB5OAG, 14.282 MHz transmission from Corpus Christi, TX; and Dick Raitt, WA5VKS, 7.179 MHz transmission from Plano, TX.

ALINS coverage started about fifteen minutes before launch and lasted until all payloads were safely separated and some of the post launch celebration in Kourou was over. Total time was about 1.5 hours. These outlets provided coverage of most of North America. There were a few isolated "holes" in the coverage, but overall it went very well.

Post Launch Activity - After the successful launch, all ears were tuned to the 70 cm Middle Beacon frequency for first reception reports. The beacon was scheduled to be activated automatically about three hours after launch. Based on orbital predictions, the Command Stations in Australia and New Zealand would have "first shot" at hearing the signals. When these stations did not hear the signals on schedule, a new program was uploaded to activate the 2 meter Beacon. This command worked and the anxious world was able to hear the familiar 400 baud PSK telemetry at last. This failure of the 70 cm beacon was the first indication of any trouble on board AO-40.

The Command Stations immediately set about assessing the "health and welfare" of our new "Bird." These first days saw an explosion in activity listening to and decoding the new telemetry. New 400 baud PSK demodulators based on Sound Card Technology were invented and live telemetry was made available via the Internet. The satellite's spin rate and attitude were adjusted in preparation for the first "burn" of the 400 Newton kick motor. During this time, everything appeared to be "Rosy." By 11 December, everything was ready for the first "burn."

The first indication of difficulties was failure to pressurize the system with Helium on the first command. Subsequent commands finally succeeded and the "burn" was accomplished; however, the motor failed to shut down at the proper time. An additional three minutes of "burn" produced an Apogee of 60,000 kilometers instead of the planned 50,000. Two days later, 13 December, while investigating the "long burn," the 2 meter beacon went dead. This produced real concern about the health of the new satellite. Initially, it was a waiting game while pre-programmed timers and resets did their intended work. Nothing happened and the concern grew. The first positive action occurred a few days before Christmas when NORAD succeeded in locating AO-40 with RADAR after being given

AMSAT produced Keplerian Data generated as a result of Command Station ranging measurements during the two days between the "burn" and the loss of telemetry. This RADAR sighting provided proof that the satellite was still in one piece and in the expected orbit.

After all hope expired that an automatic reset would return the telemetry, the Command Stations started issuing Master Resets. Finally, on Christmas Night, Ian Ashley, ZL1AOX, succeeded in getting a reset and a short command program uploaded which resulted in the S2 Beacon becoming active on 2401.323 MHz. After many anxious moments, we finally heard from the new "Bird" again. Over the next several days, enough of the flight software was re-loaded to start again assessing the "health and welfare" of the satellite. It soon became apparent that we now have, for reasons still unknown, a "Crippled Bird."

Work continues by the Command Stations, and anyone else that is able to copy telemetry, to identify the extent of the failures on the satellite. Paul Wilmott, VP9MU, has done Yeoman Duty gathering fragments of telemetry from many dedicated Satellite Operators and piecing them together into a useful telemetry archive. For a period of time there appeared to be a propellant leak in the 400 Newton motor (probably out the motor nozzle). This anomaly was explained by an orbital analysis performed by Ken Ernandes, N2WWD. Eventually, this anomalous behavior stopped (probably when the propellant was depleted). Subsequent analysis has now shown that the initial failure was probably caused by a blocked port on a Helium valve. This plus a chain of events, that occurred during troubleshooting, ultimately led to a small explosion in the 400 Newton propulsion system.

Since partial recovery, it has been determined that the Omni Antennas are not functional, and that the 2 meter transmitter does not appear to be functional (testing still not conclusive). The Magnatorquers (attitude and spin control) are working. For a while, they were not utilized due to a lack of current attitude information from the Sun Sensors. This temporary set-back was due to poor Sun angle on the sensors. The satellite was also spinning at a higher rate than desired resulting in poor function of the Heat Pipes. Without full function of the Heat Pipes, checkout of the remaining transmitters could not be accomplished due to heat problems. While alternate methods of attitude measurement were being investigated to speed up the process of slowing down the spin and changing the attitude, the Sun Sensors again became operational. This predicted change came earlier than expected and is now thought to be the result of an attitude change anomaly that occurs only during Perigee. This anomaly may be a result of damage caused by the small explosion that apparently occurred. The Jury is still out on this theory.

In any case, the Satellite/Sun geometry changed to again bring the Sun angle within the measurement capability of the Sun Sensors and allowed progress to be made. The spin rate was brought under control and attitude changes are in progress to set up for a test of the Arc Jet Thruster. The attitude change is taking longer than anticipated due to the anomaly discovered during Perigee. The good news is that the orbit and the satellite now appear to be stable and no new failures have been detected. During the current attitude change, it may become possible to check out a transponder for a short period of time while the attitude is temporarily correct for RF testing.

On the positive side, the High Gain Antennas are all functional, the V, U, and L band receivers are all functional. Power generation and control is in good shape. Over the next couple of months, the full extent of AO-40's capabilities and liabilities will be determined and we will know what we can expect from the AO-40 for the average satellite user. Hopefully, by the time you read this, this understanding will have materialized and we will be on the way to limited, but successful use of AO-40. Keep your fingers crossed!

Amateur Radio on the International Space Station -

Our other "New Bird" is progressing well towards it's ultimate capability. The second three astronaut long term crew is now aboard the ISS, again two of them are Hams. A number of successful School contacts have taken place and a few general contacts have been made. The Packet Radio Robot is now active; however, the parameters in its TNC need to be re-loaded. The crew is currently very busy getting ready for the addition of the Canadian built Robotics Arm. Several major additions to the International Space Station have been installed and it is now well on its way to full function and full size. If you don't believe this, check out a visible pass of the ISS. It is now nearly as bright as Venus. The following data should permit every one to utilize this new satellite:

Call Signs	Frequencies
NA1AA - US	145.990 MHz - Worldwide Packet Uplink
R0ISS, RZ3DZR - Russian	145.200 MHz - Region 1 Voice Uplink
DL0ISS - German	144.490 MHz - Region 2/3 Voice Uplink
Personal Astronaut Call Signs	145.800 MHz - Worldwide Downlink

More emphasis is now being placed on ARISS as the astronauts begin to have more time. Eventually, ARISS station capabilities will be expanded to their full planned function.

Summary -

"Patience is the word!" A lot of potential new capability exists in these two new "Birds." Time will tell the true extent of this capability. Keep up with the news and work on your ground station capabilities. In particular, start getting ready for the "Microwave Revolution" on AO-40 and expansion of educational capabilities with ARISS.

Also, look for other new satellite projects to be announced. At a recent AMSAT-NA Board of Directors meeting, a project was authorized calling for a new simplified version of AO-40 to be built and placed in orbit by another Ariane V. Watch for further developments.

73 - Keith Pugh, W5IU
AMSAT-NA VP of Operations

The Journal welcomes your comments. Please direct all letters to HQ QCWA.

One each happy camper

I received my Spring 2001 QCWA magazine yesterday and all I can say this copy is by far the best that QCWA has published. I could not put it down until I had read it cover to cover. It is a good thing that we get two copies as my wife had her own copy to read and not steal my copy. Joseph Bushnell - WA7BLE

Dear Joe: This letter is suitable for framing. //ger

Article "The Wall" stirs emotions

Congratulations on the Spring QCWA Journal! It is very well done.

I especially enjoyed, and was moved by, Nate William's story on THE WALL. 73, Jerry, W5AE

Dear Jerry: The article moved many, including me. //ger

Pictures draw praise from famous MD-80 jet pilot

First, congratulations on an outstanding issue! The quality and clarity of the photos is the best I've ever seen in the magazine. You've brought the Journal up to a first-class publication.

Thanks for the additional copy. I've relayed it on to the photo subject (Virgil Hinson W5URP/MM2). I'm still getting inquiries from wannabe airline pilots. Unbelievable! 73, Bob Olney, N5NT - Chapter 41

Dear Bob: A little secret - I used to process photos for the flight simulators used in the MD-80 Senior's pilot retraining program. I also have a nice plot of ground for sale here in Florida. Interested?

When was Al Gross licensed? - A grand conspiracy?

Regarding the article in tribute to Al Gross W8PAL, the Old Timer's Bulletin, Antique Radio Classified, QST and Electric Radio periodical, as well as the QCWA Journal all state that W8PAL received his call in 1934. I strongly believe this to be wrong. I got my call in early February of 1936. The W8 "P" calls were no doubt issued from December of 1935. Two ham friends of mine, namely W8OPI and W8OYP got their calls in November of 1935.

Also, to quote the QCWA call book membership list, I note that W8PAV (1935), W8PFO (1935), W8PGP (1936) and W8PJN (1936). Unless Al Gross got the W8PAL in exchange for a previously issued call later, I strongly state that the call W8PAL was not issued in 1934. O.J. Sabetto W8PIU - Cleveland OH

Dear O.J.: The editor will recuse himself since he wasn't born yet (good excuse?) and turn it over to our resident callsign guru, Jim Walsh.

From S. California QCWA CW Net this

It is with great sadness that I inform you of the passing of my long time friend Bob Richardson W6WHM, last month. Bob was NCS on the QCWA Southern California CW net for a long time.

Shortly before he became an SK, he called me on the phone and asked me to take over as NCS of the net and keep it going for him.

Thank you for the fine job you're doing as Editor of the Journal. I appreciate your time and effort. Ken Johnson W6NKE - Simi Valley CA

Dear Ken, Tnx for the info and QSL.

Editor's Corner

Welcome to the Summer Issue of the QCWA Journal and the crowd of 80-Year Awardees. It is incredible to imagine how many "notches" we would have to carve on the base of the Morse-code key for all their years as a functioning amateur-radio operator. I'm afraid we wouldn't have a base left by the time we were half way finished.

The Journal congratulates each one of them on their magnificent achievement.

Mr. Roger R. Bisby KDØEX thankfully was not injured by something he says, "Jumped off the cover" when he received the last issue of the Journal. "No not the 'Nice Rack' on the cover, but the Volume Number XLX," he says.

Using his 3rd grade math, he substituted real numbers for the Roman numerals to establish the formula "(-10 + 50) + 10 = 50".

Roger contends that "the correct number should be expressed as L" which equals 50, and wonders if it could have been a result of the "new math", or current elementary school teacher.

Well...I was not a product of the new outcome-based education but had two daughters that were. Perhaps it rubbed off on me. I just don't understand why he has his "dits" in a bunch 'cause my outcome was the same as his; mine just took a few more letters.

Roger suggests that I go to L - by itself, and it will more correctly conform to the Roman numeral rules. I guess I'll just take my hand basket and go home.

Jack Kelleher, with his wrist fully mended, returns to offer his comments on the next World Radiocommunication Conference that may bring good news for some and the beginning of the end for others.

As the bits and pieces of the Journal arrived, I was concerned that there seemed to be fewer and shorter chapter reports for this issue. That means more space for articles and I had few in reserve. After hyperventilating for a few days, a whole slew of articles arrived and I was saved! So keep 'em comin', because I only have a couple backups for the next issue.

As you will notice, we have a nice variety of articles from home brewing to QSL's from outer space. We even have an article from South Africa by Vidi la Grange who is our only member from that part of the world.

An inquiry, which turned into a classified ad, prompted Jim (the broadband burner) Walsh and I to have a little conference. We agreed that the Journal should encourage individuals to advertise military reunions, lost comrades and the like.

The reason I referred to Jim as the broadband burner is because he now has broadband (high-speed Internet) access. Switching from dial-up to broadband gives you a new perspective on the actual speed of the Internet. It definitely is one of the few things that can rival Oreo cookies and milk.

That's it from my little corner of the Journal for this summer. See you in the Fall.

THE NEWS FROM TRUCK TO KEEL

THE ROCK CRUSHER

Published weekly on board the U. S. S. Rochester.

MARK 1. NEWPORT, R. I., SATURDAY AUGUST 21, 1920 MOD. 5.

THROW OUT YOUR CHEST SAILOR

The American possesses in the CONSTITUTION, rigate, the greatest warship that ever walked the ocean floors. She did five unprecedented things. 1. She knocked down the stone forts at Tripoli. 2. She scaped from Admiral Broke's squadron of seven hips after a four days' chase without losing a gun, boat or an anchor. 3. She did up the GUERRERE, crack British frigate in 17 minutes after firing the irst broadside, wrecking the GUERRERE, which ost 179 men. 4. She shot every spar out of the Java rigate in a running fight without taking in her roy-ils-that is to say she licked her enemy without tak-ng off her coat. 5. She captured the CYANE an the LEVANT at the same time, without being raked once, while every broadside she threw was a raking broadside. In addition, she ran the blockade of Brit-sh ships seven times, she never lost her command-ng officer, she never lost a mast, she never went a-ground, and the largest number of men she ever lost in a fight was eight. She was in commission more than 80 years.

'So runs the story of this ship of glory".

MEN FIRST IN CHINA

The Chinese point of view of maritime disasters is peculiar. The duty of a Chinese sailor is well de-fined. He must save the men first, the children and finally the women. This is on the theory that men are most valuable to the State, that adoptive par-ents can be found for children and that woman with out husbands are destitute.

In order to have all the signalmen lay upon the bridge, have the boatswain's mate pass the word, "Lay aft everbody, whale boat falls."

This weekly is published for the benefit of all on the Rockcrusher. Lets get busy and make it a lively newspaper. All can bring articles to the Rock-crusher Pub. Co. in the Print Shop not later than Wednesday noon of each week.

The electricial force has lost one of their gang who was a well known Hebrew comedian. He left us to brighten up the lights of ol' N'Yawk.

FORMER SHIPMATE SHIPS OVER

Reginald T. Pike seaman second class, of the 3rd Div. who was given a D.O.W. discharge from the Rochester at Pensacola last October has re-enlisted and is now back on the good old ship again.

Pike took advantage of the recent law which gives certain men the benefits of continuous service provided they re-enlist within 1 year of discharge.

While out of the Navy, Pike had a job as brake-man on the L. & N. RR. at a salary of about $250.00 per month but he says living expenses were so high he could not save very much of his salary.

Pike says that he has never had good health anywhere except in the Navy and this influenced him to return. He is a strong rooter for the Navy, the Rochester and the 3rd Div. and re-enlisted for this ship and was sent all the way from Tennessee to join her.

We are pleased to see men like Pike returning to the Rochester.

DARNED HARD LUCK

The jelly fish can wriggle and wriggle and keep himself going, but he can't struggle against a very light current, and when he drifts upon the shore and the rays of the sun hit him he dries up in a few hours and thats the last of him. It's no joke to be a jelly fish.

ADVICE TO ELECTRICIANS

When she talks too long—Interrupter.
If her way of thinking is not yours—Converter.
If she wants to be an angle—Transformer.
If she gets too excited—Controller.
If she goes up in the air—Condenser
If she wants chocolates—Feeder.
If she sings false—Tuner.
If she is in the country—Telegrapher.
If she is a poor cook—Discharger.
If she eats too much—Reducer.
If she is wrong—Rectifier.
If she gossips too much—Regulator.
If she fumes and sputters—Insulator.
If she becomes upset—Reverser.
If she proves your fears are wrong—Compensator.

Responding to our request for items of interest for the QCWA Journal, Dale L. Martin W7LOG submitted "The Rock Crusher", a weekly newsletter published on board the USS Rochester. The paper was found among some items belonging to his father-in-law who was in the Navy onboard the Rochester during WWI and a few years after.

The USS Rochester had an interesting career, commissioned by the Navy as the "New York" in 1893. It took part in the Spanish-American war and in 1911 the ship was renamed the "Saratoga". In 1917, it was again renamed as the "Rochester". By 1938, the ship was declassified - a hulk in the Philippines and later sunk in December 1941 to block a harbor entrance. According to rumors, the Navy scuttled the hulk in the wrong location.

Mr. Martin called attention to the article, "Advice to Electricians" in which he spotted a possible misspelling in the third item. Should it be angle or angel? Guess it depends on your point of view.

Q & A The Rules Say...

John B. Johnston, W3BE, 17701 Bowie Mill Road, Derwood, MD 20855-1608

This column is devoted to answering QCWA members' questions about the current USA regulations for the amateur radio service. Part 97 of the FCC rules is contained in the document Title 47 — Telecommunications - Code of Federal Regulations Parts 80 to End. A copy may be purchased from the Government Printing Office or downloaded from http://www.access.gpo.gov/nara/cfr/waisidx_00/47cfr97_00.html. The current version is dated October, 2000. Questions, call signs and incidents mentioned herein are for explanatory purposes only.

Which call sign?

Q. When my ham friend operates my station, which call sign should he use, his or mine?

A. The one person eligible to answer your question correctly is... you! Section 97.119(a) of the FCC rules says, in effect, that the call sign transmitted in the station identification announcement must be that assigned to the station. It is for you, the owner of the transmitting apparatus, to first answer the underlying question: "Under the authority of which of our station licenses am I going to allow my station apparatus to transmit?" Your answer, therefore, will determine which call sign must be used. It will also determine the extent of your liability. Make your choice carefully.

Q. What are my choices?

A. The rules allow you two choices. Moreover, there is no rule that requires you to make your amateur station or its apparatus available to any other amateur operator.

Choice Number One: The station transmits your call sign in the station identification announcement. With this choice, you are the station licensee, responsible for the proper operation of the station, as it says in Section 97.103(a). You and your friend are both responsible for performing properly the duties of its control operator. Note that Section 97.103(b) says that the FCC will presume that you, the station licensee, are also the control operator unless there is documentation to the contrary. An entry in the station's log should suffice.

Choice Number Two: The station transmits your friend's call sign in the station identification announcement. Under this choice, your friend alone is responsible for performing properly the duties of both the station licensee and its control operator. You simply make your apparatus available to your friend.

Q. Which is the better, Choice Number One or Two?

A. The answer to that question depends upon your reason for allowing your friend to use your station apparatus. For instance, if you want to obtain QSL cards for your station's collection or improve your station's score in an operating contest, your better choice would be Number One. Otherwise, with Choice Number Two, any resulting QSL cards will be addressed to your friend's station and contest points will be attributed to your friend's station.

Q. Which is the better choice when my friend is not very familiar with the FCC rules?

A. The best choice would be to withhold the use of your station and its equipment until you are confident that it will be used properly. Beyond that, Number Two would be a much better choice than Number One because — in view of a greater chance of a violation of the rules occurring — you would not be at risk. Your friend would take complete responsibility for all violations of the FCC rules. The worst choice would be Number One because you would be fully responsible although you are not the control operator. Section 97.103(a) says that even where the control operator is a different amateur operator than the station licensee, both persons are equally responsible for proper operation of the station.

Q. If my friend causes my station to transmit on a frequency channel outside the ham bands, whom will the FCC consider to be in violation of its rules?

A. The FCC holds responsible the licensee of the station whose call sign was transmitted in the station identification announcement. Under Choice Number Two, therefore, your friend alone is responsible. Under Choice Number One, you alone are responsible unless you have a document showing that your friend was the control operator at the time of the infraction. If you have such proof, you are both responsible.

Q. I am an Advanced Class operator. Which call sign should I use when I operate my friend's station. He is a General Class operator.

A. If your friend stipulates Choice Number Two, your station's call sign must be given in the station identification announcement and your frequency privileges are those authorized to Advanced Class operators in Section 97.301(c). In effect, your friend makes his or her station apparatus available to you and you take complete responsibility for the proper operation of the station. Under Choice Number One, however, your friend designates you merely as the control operator of his or her station. In this case, your privileges are limited to those authorized to General Class operators by Sections 97.301(a) and (d) unless you include your station's call sign after that of your friend's call sign when making the station identification announcement.

Q. There is a club station at our school. I want use it to work DX with it using my own call sign so that I can get some QSL cards from foreign countries, but the license trustee won't let me. He says that we must always use the club call sign. Can he do that?

A. Yes, assuming the licensee trustee is in charge of the station apparatus. He has selected Choice Number One and makes the apparatus available to you merely as the control operator of the club station.

Q. At our club's Field Day operation last June, there were six

stations being operated simultaneously. All of the operators were using the call sign of one of our member's station. Were we legal?

A. Yes, you were in compliance as far as transmitting the member's station call sign in the station identification announcement. In this case, the member had designated the other amateur operators as control operators of his station, as permitted by Section 97.103(b). He retained the responsibilities of station licensee. Your group probably decided that the member's call sign was likely the best one for use under Field Day conditions.

Q. I heard a station on 40 meter SSB signing *KB3CWT/AE*. What did that mean?

A. The indicator /AE means the station licensee of KB3CWT is in the process of being upgraded to Amateur Extra from a lower operator class, but *Amateur Extra* does not yet appear on the operator's listing in the FCC Universal Licensing System consolidated licensee database. Section 97.9(b) authorizes a person named in an operator license grant who has completed the necessary examinations to use the privileges of the higher class until a final disposition of the application, but not to exceed 365 days following the passing of the examination, whichever comes first.

Q. Are there similar provisions for the other operator classes?

A. Yes, Section 97.119(f) says that the indicator /KT is for upgrade to Technician and /AG is for upgrade to General Class.

Q. When our local voluntary emergency communications team was in operation during a recent disaster, we addressed each other over the air with our own set of tactical call signs, including *Base One* and *Unit Two*. Is this proper?

A. Yes. There is no prohibition on using such a tactical procedure for facilitating your communications, but it does not satisfy the station identification requirement stated in Section 97.119(a). Each station must transmit its FCC- assigned call sign on its transmitting channel at the end of each communication, and at least every 10 minutes during a communication, for the purpose of clearly making the source of the transmissions from the station known to those receiving the transmissions. The reference available to the listener is the FCC Universal Licensing System consolidated licensee database, which lists FCC-assigned call signs. It does not list self-assigned call signs.

Q. In a recent DX contest, I heard a station signing *KH3/W3BE*. I understand that the indicator KH3 meant that the station was transmitting from Johnston Island, but was the indicator required?

A. No, the indicator KH3 was optional. The operator probably included the indicator KH3 to help call attention to its DX location. The words *Johnston Island* could just as well have been used. Section 97.119(c) says that where the indicator is self-assigned, as was the case then, the indicator must be included before, after, or both and after the call sign. The operator, therefore, could have given it as: *W3BE*, KH3*/W3BE*, W3BE*/KH3* or *KH3/W3BE/KH3*. The operator probably included the indicator before the call sign to further help call your attention to its particular location.

Q. Last weekend, I worked a station signing *K1A*. What kind of a station was that?

A. A one-by-one format call sign (one-letter, one-numeral, one-letter) such as K1A means that it is a special event station. The call sign is from the block of 750 one-by-one callsigns that have been set aside for the special event call sign system defined in Section 97.3(a)(11)(iii). Note that Section 97.119(d) says that in addition to transmitting the special event call sign in the 10 minute station identification announcement, it must also transmit its assigned call sign at least once per hour.

Q. What is a *special event station*?

A. A special event station is an amateur station that substitutes, in the station identification announcement, one of the special event call signs for the call sign shown on the station license grant. The FCC public announcement detailing the procedures of the special event call sign system is at http://www.fcc.gov/wtb/amateur/amspevnt.html. It explains that substituting a special event call sign for its assigned call sign may help a special event station attract attention on-air to its participation in the special event. It alerts the amateur service community of the unique opportunity to exchange greetings with the station.

Q. Who selects the special event call sign?

A. Section 97.3(a)(11)(iii) says that a special event call sign is selected by the station licensee from a list of call signs shown on a common data base coordinated, maintained and disseminated by four amateur station call sign data base coordinators. These coordinators are listed in the FCC public announcement.

Q. Where can I find the special event call sign common data base?

A. Access http://www.w5yi/1x1calls.htm. It lists each special event call sign, the station's assigned call sign and the period of time the call sign has been, or will be, used.

Q. Last weekend, I worked a station signing *W3BE/SS*. What kind of a station was that?

A. That station was including a self-assigned indicator following its assigned call sign. It was calling attention to its participation in the Sweepstakes contest. Section 97.119(c) authorizes such use, provided the indicator does not conflict with any other indicator specified in the FCC rules, such as the AE, AG and KT indicators used to indicate a recent upgrade. Neither may it conflict with any prefix assigned to another country, such as DL, F, G or VE.

Q. May the indicator precede the call sign?

A. Yes. Section 97.119(c) authorizes a self-assigned indicator to be included before, after, or both before and after the call sign.

Q. The other day I heard a station signing *VE3XX/W4*. What kind of a station was that?

A. It was an amateur station licensed by the Government of Canada transmitting from somewhere within our VEC Region 4 (Alabama, Florida, Georgia, Kentucky, North Carolina, South Carolina, Tennessee and Virginia). Its control operator was a Canadian citizen authorized by Section 97.107 to be the control operator of an amateur station transmitting from a place where the amateur service is regulated by the FCC. Note that Section 97.119(g) also says that such stations must include, at least once during each QSO, its general geographical location as nearly as possible by city and state, commonwealth or possession. For example, *W3/IB4DX Kent Island, Maryland* or *VE3XX/W4 Wallops Island, Virginia* would be appropriate.

Q. Why did the identification announcement include the indicator */W4* after the call sign?

Continued on page 53

Kelleher Komments

By John Kelleher W4ZC

WRC-2003

Some good news and some bad news

The following item from a recent ARRL Special Bulletin is of great interest and importance in that it portends a solution at long last to the problem of an adequate and exclusive amateur allocation, hopefully worldwide, near 7 MHz.It may also include the deletion of a requirement in the ITU Radio Regulations for Morse code proficiency below 30 MHz.

FCC Begins WRC-2003 Preparations

In preparation for the next World Radiocommunication Conference in 2003, the FCC's WRC-03 Advisory Committee met for the first time January 30 at FCC Headquarters in Washington. The FCC International Bureau's Planning and Negotiations Division has primary responsibility for guiding the FCC's WRC-03 efforts.

A WRC-03 Web site has been set up at http://www.fcc.gov/wrc-03 along with a mailbox for the committee, wrc03@fcc.gov.

The Advisory Committee provides an opportunity for interests outside the federal government to develop and debate US draft proposals for possible adoption by the FCC, the National Telecommunications and Information administration and the US Department of State.

WRC-03 will deal with wide-ranging telecommunications issues, including IMT-2000 or so-called "third-generation" or "3G" cellular telephone devices, fixed services, mobile and fixed-satellite issues, HF broadcasting, satellite broadcasting, and regulatory matters.

Amateur Radio-related issues on the WRC-03 agenda include the revision of Article S25 of the international Radio Regulations‹the basic rules for the Amateur and Amateur-Satellite services. This includes the issue of whether to retain the treaty requirement to demonstrate Morse code proficiency for access to amateur bands below 30 MHz.

WRC-03 also will review the terms and definitions of Article S1 to the extent required as a consequence of any changes made in Article S25. Among other things, Article S1 contains the definition of the Amateur and Amateur-Satellite services. In addition, WRC-03 participants are expected to review the provisions of Article S19 concerning the formation of call signs in the amateur services, in order to provide flexibility for administrations.

WRC-03 will consider realignment of amateur and broadcasting bands around 7 MHz on a worldwide basis. The long-standing problem was identified in a WARC-92 recommendation that called for realignment at a future conference. The International Amateur Radio Union is committed to supporting a "harmonized" worldwide 300-kHz allocation in the vicinity of 7 MHz.

An examination of the adequacy of HF broadcasting allocations from approximately 4 to 10 MHz also is on the agenda. Conference participants also will consider abandoning an earlier commitment for HF broadcasters to shift from double to single-sideband AM modulation and move instead to digital modulation.

Among other issues that could affect Amateur Radio, WRC-03 will consider allocations for non-geostationary, non-voice mobile satellites (the so-called "Little LEOS") below 1 GHz, as well as spectrum above 1 GHz for feeder links. In addition, the conference will consider Earth Exploration-Satellite Service in the 420 to 470-MHz band.

ARRL Technical Relations Manager Paul Rinaldo, W4RI, says that most of the issues of concern to amateurs have been assigned to the WRC-03 Advisory Committee's Informal Working Group 6. ARRL Technical Relations Specialist Walt Ireland, WB7CSL, has been appointed as vice chairman of IWG-6. Rinaldo says Ireland's presence "will be key in seeing that amateur issues have fair treatment." He said Ireland's experience with the Voice of America also will be helpful in dealing with HF broadcasting issues being considered by the panel.

WRC-03 is scheduled to begin June 9, 2003, and continue until July 4, 2003. A firm location has not yet been established, but the conference is expected to take place in Venezuela.

Old Sol and the ionosphere

There is evidence that the peak of solar sunspots occurred in February 2001, and that we are now entering the 7-yeaar (approximately) period when sunspots will gradually decline.

73, Jack

What a QCWA Chapter means to some Hams!

Larry McCalvy WA9JMO President, Chapter 162, QCWA

In 1986, Robert Jensen, WØWLN, recently retired, moved from Colorado with his wife Gladys back to their hometown of Racine, Wisconsin. Bob was very active with his Colorado QCWA Chapter and wanted a similar relationship with a Wisconsin group. The only Wisconsin chapter at that time was Chapter 55, but their meetings were only twice a year and mainly for social interaction. Bob wanted an organization that was more active in Amateur Radio Activities. So he decided to form his own chapter.

Bob garnered a current Call Book and meticulously searched the ninth call area in the Wisconsin County of Racine for "W" & "K" Ham Calls that he knew had at least 25-years as a licensed Amateur. He then wrote to each asking if they were interested in forming a local QCWA Chapter! They must not have been, as Bob did not received even one reply. Bob being a very persnickety individual, did not give up.

Larry McCalvy WA9JMO presents newest chapter member David Witham KØDQ with name badge at meeting.

With the assistance of several local Hams, Bob finally found six QCWA members and three other individuals that met QCWA qualification to form a chapter. Several organizational meeting were held in the closing months of 1986 and early 1987. With a slate of directors and officers in place the official request to form a chapter was sent to QCWA Headquarters in mid-April 1987. The packet included membership application sfor the three non-QCWA members.

In early May 1987 a package containing the Chapter Charter for Southeast Wisconsin Chapter 162 arrived at the home of the newly elected Secretary/Treasurer, Bob Jensen, WØWLN. Initial on-the-air meetings were held Wednesdays at 9 PM on 21.325 MHz, but moved to the local Racine, Wisconsin Repeater, 147.870/147.270 on Thursdays at 9 PM. Fourteen years later the Chapter's weekly net still meets at the same time on the same frequency with six to 14 members checking in.

A local non-QCWA member Amateur arranged for the donation of a large quantity of silicone rubber tape to our group in exchange for removing the individual boxes, cartons and cases that enclosed the tape. In addition, the brand name logo imprinted inside the center cardboard tube had to be obliterated or removed. The tacking glue used to hold the tape in place until it vulcanized upon itself fell below specifications and was unacceptable to the buyers. The labor supplied by our chapter was a great cost savings to the original manufacturer because tax laws required that all the packaging material needed to be accounted for before disposal of the product.

The tape, sold at hamfests over the years, has allowed each new member to receive a QCWA logo name badge and enjoy our annual meeting luncheon as the Chapter picks up the cost for each attending member and spouse/guest for the yearly chapter dues of three dollars, as our treasury steadily grew as tape sales increased.

In June of 1988 a QCWA banner was ordered and 11-months later the chapter was incorporated as a non-profit corporation. A history file was started containing pictures of past social and activity events; and written comments about each meeting held, beginning with the initial organization meeting on April 18, 1987 was meticulously kept by our secretary. The Chapter hosts a general business meeting on the third Monday evenings during the months of January, March, May, September and November. A social function held normally around noon on the third Sunday in February for Valentine's Day, April to celebrate our Anniversary, June to welcome summer at the Great Mosquito Awareness bash, August for a picnic, October's annual meeting & election and December's Christmas party involves spousal/guest interaction. Without which, our business meetings would probably be in trouble - enough said?

For seven years, during the month of May, chapter members worked with about 250 fifth grade students as part of a 16-station round-robin activities demonstration over two and a half days at a local camp grounds about an hours drive west of Racine. Every 45-minutes the groups rotate activities. Our chapter had hands-on involvement utilizing control operated two-meter repeater and HF Band contacts, a packet station and a bank of code oscillators. Each student left with a little understanding of Amateur Radio and an ARRL Archie Comic Book. The school offered to host our chapter members if they cared to stay overnight! I said, spending the night in close proximity to 250-fifth-grader! Thanks, but no thanks!! (I thought to myself, after two nights with those kids, there would be eight old guys locked up in the "loony bin").

We were the Tellers for the 1992 and 1996 QCWA International Elections and are the host Chapter for the 2001 QCWA International Cruise Convention. The last 4-years we have operated a QRP battery powered Field Day Site; and over the same time span have worked with another Racine, Wisconsin Elementary School providing a show and tell options program about Ham Radio that employed a hands-on demonstration with our two-meter repeater contacts and oscillator code teaching techniques.

Over the past 10-years we have worked with a local High School fielding a 12-person communication section to provide information and safety during the school's Walk-a-Thon. We have provided the same services for local air shows, bike races, and foot races. We are there for server weather seminars as instructors, communicators and community information liaisons. We have organized, conducted and instructed many Amateur Licensing Classes and are always available as Elmers for our new budding prospective Amateur Radio Operators. We enjoy being together working for the betterment of our hobby and our communities. We have a lot of knowledge, experience and insight into the world of Amateur Radio that we would like to share. We are always ready to assist; we need only to be asked. We are proud to tell anyone willing to listen that we are very active QCWA members.

Our newest member Dave Whitham K9DQ's comment, as heard on our local Repeater, alluded to the meaning of what it is to be a member of the Quarter Century Wireless Association. Dave said, "I've worked 25-years to achieve this status, and my membership now shouts that fact to the world"

Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal. Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: July 1, October 1, January 1, and April 1.

Chapter 1, Cleveland

A brief history of Cleveland Chapter No. 1. During the year 1950 several active Cleveland Ohio radio amateurs discussed having local meetings of the Quarter Century Wireless Association. They were members but could not attend the regular meetings held in New York. Therefore they petitioned the officers of QCWA who then agreed that local meetings could be held.

In order to permit these Cleveland radio amateurs to associate their local meetings with the QCWA, the Association officers by letter, authorized the formation of a local Chapter in Cleveland, Ohio. Since some of the amateurs was then in the "communications business," word soon spread about the Cleveland Chapter to other localities.

Because the officers of QCWA began to received requests for the formation of other local Chapters, the officers decided to assign each chapter a number, based on when it's application was made to form a local Chapter. Because of this decision, the Cleveland Chapter became and has been Chapter No.1.

Many of the Cleveland amateurs were also members of the Cleveland Shrine radio Club. The facilities at the Shrine Headquarters in Cleveland were made available for the early Chapter No. 1 meetings. The Cleveland Chapter No. 1 members met in these facilities for years until a fire destroyed the meeting place. This fire not only destroyed the Shrine facilities but also some of the records of Cleveland Chapter No. 1.

Despite this loss, The Cleveland Chapter No. 1 members continued to meet at least once a year for a dinner meeting. The Chapter continued to grow. During 1981, the Cleveland Chapter No. 1 was host to the QCWA convention, headed by the then Cleveland Chapter No. 1 President, Fred Collins, W8ADW.

As would be expected, many of the original members of Cleveland chapter No. 1 have become silent keys. Others of these farsighted radio amateurs, who are still alive, have moved to other parts of the country. Some of the original members included W8AF, No.284, W8AVH, No. 290, W8BSS, No.292, W8LY, No. 282, and W8RN, No. 274. The Chapter's first radio amateur to be elected Chairman of the Cleveland Chapter No.1 was W8AF and the first Secretary was W8RN. All of the above are now Silent Keys.

Two prominent long time members of the Cleveland Chapter No. 1 are W8BU, SK, No. 4757, and W8FAZ, No. 8294. Jim Russell. W8BU, made the first transatlantic transmissions as 8BU from Cleveland, Ohio to Paul Godley in Scotland during tests in 1921. Cleveland chapter No. 1 honored Jim for his 84 years in amateur radio at its award luncheon meeting on October 14, 1995.

Joe Zelle on the other hand was the first in the world to receive and record the signals of Sputnik-1, and have them broadcast over a local radio broadcast station as the satellite passed over Cleveland on Friday night, October 4, 1957.

At the present time the Cleveland Chapter No. 1 holds luncheon/members meetings four times a year. The Chapter holds on-the-air meetings each week during the Chapter's Wednesday evening 2 meter net at 8PM ET using the 146.88-.28MHz repeater. This net, in which 50/60 members participate at each net meeting, has been on the air every week for more than 20 years.

Every year the Chapter staffs an "eye ball QSO" table at several of the local hamfests. The Chapter maintains a picture history of Amateur Radio in northern Ohio. It includes pictures that go back to local amateur radio activities before 1920. The Chapter also maintains a collection of pre-World-War II radio tubes. They are used as a display at the Chapter's hamfest tables as well as at other amateur radio activities.

by Joe Zelle W8FAZ - Editor emeritus

The Cleveland Chapter report

At our January 13, 2001 meeting the Cleveland Chapter No. 1 celebrated it's 50th anniversary.

In the year 1950 a letter authorizing the formation of a local QCWA Chapter arrived from National Headquarters and from that time forward the Cleveland Chapter No. 1 has been open for business.

Past President George Misic, KE8RN, and his XYL Barbara brought a large 50th anniversary cake to celebrate the occasion.

A number of speakers spoke of our Chapter's proud history and that at one time Cleveland Chapter No. 1 hosted the QCWA National Convention in Cleveland Ohio.

Al Dolgosh, K8EUR, was the featured speaker. Al is a sales representative for Amateur Electronic Supply and with his background in antenna engineering his presentation was superb.

The top door prize was a copy of " A Family Affair, The R.L. Drake Story." This book is a prize every Ham would love to have as it gives an intimate view of the private life and thinking of Bob Drake. In addition there were eighteen other door prizes given that made many of the attendees happy.

Cleveland Chapter No.1 is sorry to report the deaths of three of its members. They are; Julius Csontos, W8KCZ, QC#19426. William Knaus, WA8NPX, QC#22757. Al Gross, W8PAL, QC#27384. They were honored Chapter members and will be sorely missed. May they rest in peace.

Rocky Zimmerman, W8UYN, Chapter Membership Chairman was happy to report that four new members were added to the Chapter's roster.

The new members are; Craig Spada, WA2TWF, Bob Nati, AA8BV, Ford Cole, W8FC, and Nadya Cole, WD8AQH. Nice recruiting, Rocky.

Cleveland Chapter No. 1 wishes to thank all those who sent their congratulations on our Chapter's 50th anniversary and we wish to state that we are looking forward to celebrating our 75th anniversary!

73 de Joe Tomazic, WT8P, Editor.

Chapter 2, Chicago

President Jim Quinn, K9JQ , called the business portion of the meeting to order at 6:30 PM.

There were 6 members and 4 guests present.

Jim Quinn opened the meeting with a welcome to all members and guests. Jim commented that the promised severe weather had not materialized but succeeded in scaring many members away.

Jim introduced the Chairman of the Nominating Committee, Lee Knirko W9MOL, for his report. Lee reviewed that this year we elect 3 Directors for a 2-year term and next year 3 more directors for a 2-year term. Also this year we elect officers for a 2-year term.

Nominated are the present Officers: President-Jim Quinn K9JQ, Vice-President- Paul Crum W9LC, Secretary-Gil Kowols W9BUB, Treasurer-Jim Quinn K9JQ. For Directors, Don Backys-K9UQN, Ed Dervishian-K9VSU and Al Mazure-W9LOB.

Jim asked for nominations from the floor. There being none, a voice vote was unanimous for the slate and they were declared reelected.

Jim then gave a financial report. We came in to the year with $522.92 and of this date, our balance was $1027.05.

Gil W9BUB gave a short Sec'y report. We have a new member, Jerry Dressler WD9ARS. The application data was reported. Also the recently floated proposal for an Associated member was summarized. Also a few of the comments were read. Announced that the 2000 National Directory was online. Also the CD of the data can be purchased. Also nice new-design twill QCWA cap is available. The new price of $15 for the hat was noted. The dues are slowly rolling in but still over 12 are yet to come. Finally, the QCWA is still awarding scholarships and information is available.

Jim requested and the membership gave a vote of confidence for the Wilmette Country Club for the July Annual Brunch Meeting in July. The new menu was then served. It consisted of Chicken Lemoyne or Tournedos of Beef or Salmon oreganato. An outstanding menu.

After dinner, Paul Crum W9LC, introduced the newest ham, Jim's grandson Jere, KB9VNJ, a lad of 13 years old.

Paul then gave an update on the condition of our member and Director Ed Dervishian W9VSU.

Paul then introduced the evening's speaker, Mike Brost, WA9FTS. Mike came well equipped with his digital camcorder and a 27" TV set to show tape of his trip a year and a half ago. He also brought maps, receipts, flyers and travel tickets from his weeks in Europe. He and his fellow traveler Tom N9CBA, drove from the airport in Germany, through Austria, Hungary, Slovakia, a short stop in Romania, and back to Germany. His tape showed the places they visited and the restaurants they ate in as well as spots they visited. It was sights not normally seen on the travel tapes. Mike added his observations as he went along. The trip was to observe the total solar eclipse, but this program was about the trip.

The tape was well edited, since that is also Mike's hobby and was close to professional. He also demonstrated the excellent quality the digital video format yields.

Mike Brost, WA9FTS, the speaker, tells Paul Crum W9LC, the chapter program chairman, how a digital camcorder works and why it is better than analog.

Another fine program brought in by Paul and presented by Mike.

Gil Kowols W9BUB - Secretary

Chapter 10, Michigan

With spring finally arriving, the Chapter members are looking forward to the annual meeting. As usual, a very tasty luncheon has been arranged for, and it will be good to see everyone out and about again after a snowy winter. That includes those who escape to the warmer climes for the cold season. The next report will give the details of the meeting and the new officers we expect to elect.

The weekly net has held up well this winter, and the checkins have been a little better than average. The net controls have been right there when it was net time, and we thank them for their loyalty and good net sessions. Conditions have been generally good and the ones who enjoy QRMing the net have been thankfully absent most of the time. We have had some good discussions of building projects, especially those being done by our President, Mike WB8ICN.

The Chapter recently received some pictures for the archives from the estate of W8GJH. I expect they will bring back many memories to the old timers when they are displayed at the meetings, and will show some faces of old timers, now gone, to us more recent members of the Chapter. It will be interesting to hear the conversations that are sparked by these pictures.

Beverley Stoner K8ZJU - Secretary

Chapter 16, Arizona

The "Riverboat Strummers" banjo band led by Orrin Hale, entertained 41 members and guests at lunch Saturday, January 20th. The Dixieland style music featured our own Bob Menefee AA7QJ playing banjo and doing the vocals. President Tom Worthy W7YW offered some opening remarks and then introduced each person around the room. Ken Hopper KD7KH gave the invocation and lunch was served.

After lunch Tom presented service awards with one outstanding award for 80 years as a Ham to Cliff Fay K7BQ. Cliff's award had serial number 12, which indicates exactly how rare this award is. Others receiving awards included Ralph Barr WØDNO 50 years,

Left to right: Cliff Fay K7BQ - 80 years, Ralph Barr WØONO - 50 years, Al Lee W6KQI - 50 years, Ray Schulte WØDFI - 60 years and George Lucchi W6NVN - 65 years.

AI Lee W6KQI 50 years, Ray Schulte WØDFI 60 years and George Lucch, W6NVN 65 years. Others earning awards but not present at the meeting were Phil Battey W3FZV, Pen Brown KJ7KL, John Elwood WW7P each 50 years, Clem Chase W7 JGU, Darval Nelson W7KNA, Lock Pingree W1ZD each 55 years, Harry Paston KD7ESJ and Clarence Wenzel W9ILM 60 years, Cameron Allen W70IF and Mike Kovar W2ZN 65 years, Ruby LaRue W7JZA 70 years. Their certificates will be mailed to them.

After the awards, George Lucchi W6NVN presented a slide show on his trip to Peking, China in 1979. George was an engineer for RCA at that time and was demonstrating some airborne radar equipment to the Chinese engineers. It was a very interesting trip including pictures of the Great Wall, the Forbidden City as well as many shots of Peking.

Another distinguished guest at the meeting was Ethel Gross, the widow of Al Gross, W8PAL well known inventor who held many patents in electronics. He was probably best known for inventing the "Walkie Talkie" used extensively in WWII.

Prizes were drawn and the meeting adjourned at 2:00 PM.

Gerry Higgins W7ES - Secretary/Treasurer.

Chapter 21, Canton, Ohio

The regular quarterly meeting of QCWA, Chapter 21, Canton, Ohio was held February 17, 2001, following luncheon at The Hometown Buffet, Canton, Ohio. There were 24 members guests present.

Congratulations were sent to the Cleveland Chapter 1 on their 50th anniversary.

It was reported that member Jesse Wilson W8LDQ, QCWA #12345, became a Silent Key in January. He had been president of this chapter in 1980. He was first licensed in 1952 and joined Chapter 21 in 1978. Jesse served in the U. S. Navy in WWII and was retired from LTV Steel (Republic Steel). Operating on both HF and VHF, he ran the RTTY portion of the CARC Sunday morning net on 2 meters and was also active on the Buckeye RTTY Net. A donation in his

Chapter 21 secretary David Glass W8UKQ (left) presents the Century Club Award to Ed Gammeter W8CSU. Assisting are Ed Clinger WA8DRT and Denny Frey K8NIB (right). Digital photo by Ed Clinger WA8DRT and Dorothy Gammeter.

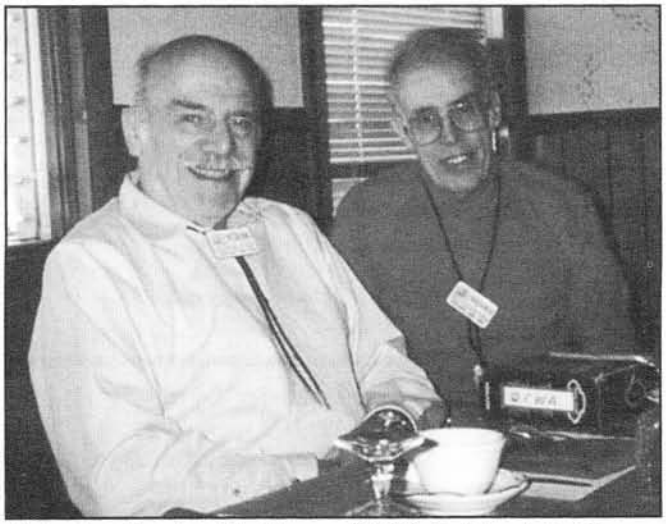
memory will be made to the QCWA Memorial Scholarship Fund.

Vice president Perry Ballinger presented the QCWA certificates for the 50 Years Continuous Licensing Awards and the 50 Years Anniversary Awards to Phil Gizzi W8IIV and Kay McCune W8LNK. Ed Clinger WA8DRT told of the visit to present the Century Club Award to Ed Gammeter W8CSU. Denny Frey K8NIB and Dave Glass W8UKQ accompanied Clinger to see Ed and his wife, Dorothy. Perry Ballinger discussed briefly the question of associate memberships. He believes there are many hams in the area eligible for QCWA who may not have been informed or do not care about QCWA. The chapter should be more visible. Perhaps summertime meetings in the evening would have more impact, and there was agreement on that idea.

Door prizes were awarded.

David Glass W8UKQ, Secretary

Chapter 29, Finger Lakes



Outgoing Chapter 29 officers of 2000. Left to right: George Cook W2RBK - President and Ed Gersten WB2MWW - Secretary/Treasurer.

Chapter 41, Dallas

Dallas Chapter 41 is distinguished from most other chapters in that its nominating committee does not experience problems in obtaining candidates to volunteer to run for chapter offices and/or supplementary positions: it subpoenas them, a legal recourse available to non-profits and fraternal organizations in Texas. As of this writing the following have been served for the following offices/directorships effective July 1, 2001: President -John King, K5CDV (to succeed Baity Bartel, W2LQ); Vice President - David Hundahl, NN5K (to succeed Charlie Shaffer, W5ADH); Secretary-Treasurer for Life -Bert Wells, W5JNK (to succeed himself - there is no change in this position in that by charter mandate it is non-retireable, non-revocable, non-saleable, non-transferable, and non-denounceable.) Candidates for two directorships in the process of being served are Jim Rhodes, W5TQC, and long-time member Roy Costolow, W5Z0Z. They will succeed directors Jack Floyd, W5DXR, and Bill Mueller, W5VSD. Directors whose terms do not expire until July 1, 2002 are Bill Courtney, WO5T, and Richard Bauer, K5RB.

In a recent chapter meeting members were informed of the content, significance, extent, and ramifications of the FCC's mandate regarding radio frequency exposure measurements as related to the Amateur Service in an excellently prepared and delivered audio-visual presentation by John Thompson, KA5FJA. (John usually participates in chapter meetings and other functions through a private satellite video hookup from his palatial lakeside estate at beautiful Lake Granbury in Texas where such arrangements are not uncommon.)

A black tie reception was recently hosted by the chapter for three new members at the exclusive Midway Point Club in Dallas who were unabashedly overwhelmed by the opulence of the location and attendant decorum: Lin C. Wetterau, W5BLC, Tom Owens, WB5KHC, and Robert S. Kellow, W5LT.

The chapter sadly notes the passing of Walt Jack-

Left to right: Chapter 41 Membership certificates to Bob Kellow W5LT, Tom Owens WB5KHC. QCWA 60 year award to Baity Bartel W2LQ and 50-year award to Tiny Retzlaff W5MIY presented by Chapter 41 Vice President Charlie Shaffer, W5ADH.

Shirts-R-Us

Order one of the spiffy new

QCWA

Order from QCWA Headquarters

son, W5ZYA, after suffering from Alzheimers for some time. Walt was long associated with a ham radio dealership in Dallas and was helpful in guiding many young amateurs into suitable equipment.

A new innovative chapter program, The Jack Dye (W5LUE) Great Tower Give-Away has created so much interest among members that a committee has been appointed to investigate additional give-aways. It has prepared a pool list of all those members (or surviving family members) having desirable but no-longer needed towers, antennas, radios, and accessories which will be made available from time to timeto other chapter members participating in drawing of names.

Vice President Shaffer W5ADH presented two QCWA awards: a 60-year Service Commendation to President Baity Bartel W2LQ, and a 50-Year Service Commendation to Donald (Tiny) Retlaff W5MIY.

Bob Olney N5NT - Recording Secretary

Chapter 45, Citrus

We regret that we have to announce that Albert Pearce W1AMP, became a Silent Key on January 13th, 2001. His XYL, Barbara sent a note informing us of Al's passing and that his son, Marc, also a ham, will apply for the call sign WIAMP. Barbara said that Al enjoyed his radio to the very end, and though unable to be on the air, listened daily.

At the January meeting of the Citrus Chapter we participated in what was an unusual, if not unique, event. At that meeting the Chapter was proud to present an eighty-year plaque to Merton Crighton W4PGT, and a seventy five-year plaque to Charles L.D. Allen, K4AXB.

The February Chapter luncheon meeting was visited by QCWA President Gary Harrison, his XYL Carolyn, and Board Member Arthur Kunst with XYL Sylvia. Gary spoke to the group on what plans are being made for those members that plan to go on the 2001 Convention Cruise. The use of amateur radio on board and obtaining equipment for an on-board station are still being explored. Several members of the Chapter have signed up for the Cruise that is going to sail for eight days in the eastern Caribbean. Transportation options between the Orlando area and Fort Lauderdale are being explored.

We have welcomed three new members, Robert Goodrich, WA3ZAO Ronald Modeste W3ZS and Robert Higgins K4KJV, who joined the Chapter since the first of the year.

Chapter 45 meets the third Wednesday of every month at Piccadilly's Cafeteria, 1840 E. Colonial Drive in Orlando, Florida. We start to gather about 11:30AM for lunch and fellowship time, the formal meeting beginning about 12:30PM. The food is good, the prices reasonable and the fellowship is warm. Any hams in the area on the third Wednesday are welcome. Chapter 45 operates the W4PLA repeater on 147.195MHz. Net time is Tuesday at 1930 hours local.

Paul A. Turner, W1DLP - Secretary

Your Official QCWA Badge

Many of you have asked and now we have an official QCWA Badge for you to wear at amateur functions. **It is white with black letters** and the above is an actual size reproduction. This badge is totally engraved, no 'hot press' , and so it should last a lifetime.

The order blank is printed below. It comes with a standard clip and a bola clip.

Note that you may order it with a pocket clip at an additional cost

Bola ties are also available.

QCWA Badge Order

Call _____

First Name _____

Last Name _____

Indicate whether you want your City/State **or** your Chapter name and Number as bottom line on badge.

1. City and State

_____

2. Chapter Name and Number

_____

Badge..... $7.00

Pocket Clip ($2.00)..... _____

Bola Ties ($2.50)..... _____

Bola tie color(circle one): Black, Blue, Brown, Green, Red and White.

Total Cost..... _____

Complete in full and mail with your check to:

QCWA,159 East 16th, Eugene,OR 97401-4017

Chapter 48, Treasure Coast

On January 29 the Treasure Coast Chapter of QCWA met at Hodges Restaurant for our annual meeting. After a very enjoyable lunch, the meeting began. We discussed all our activities of the past year and had election of officers for 2001. The current officers were reelected. They are Joyce Anderson, president, Bud Greenlees, vice-president and Woody Anderson, secretary-treasurer. Our chapter now has 22 members.

Our next planned activity is German Night at Hurricane Harbor on May 1st. We had 24 for this event last year. Other activities are in the works and we will keep all advised.

Treasure Coast Chapter 48 members at meeting.

From left to right: Bud Greenlees K4BHW and Burt Lawton W2JLO who received 65-year awards at the chapter meeting.

We had two presentations for 65 years on Feb. 22nd at our luncheon at Hodges restaurant in Vero Beach. Bud Greenlees K4BHW (our chapter VP) and Burt Lawton W2JLO were the recipients. Congratulations guys.

K4EBK

Screwy Laws
in the
Treasure Coast Chapter State (FL)

If your elephant is tied to a parking meter, you have to put money in the meter.

Chapter 49, Peach State

The Chapter 49 Spring meeting was held on March 5 at Ryan's Steak House in Norcross. President Mike K4HBI called the meeting to order with round-robin introductions. There were 19 in attendance, including special guests Joan and Lee Cushing, wife and son of our late founding member and long time net manager Wendell K4VN. Joan gave chapter 49 permission to obtain K4VN in memoriam for our chapter club call and it was issued on March 21 to replace KG4GBD. Net manager Wayne W9BKJ has been using the K4VN callsign on both nets. Chapter 49 is proud to have the K4VN call remain on the air with us.

Other meeting highlights were reminders of the remaining meeting dates this year: June 16 for the second Annual picnic/swapfest at the home of Mary W4NZJ and Bill AB0KF in Snellville. September 15 and December 1 are the remaining meetings planned for Ryan's. Doug KT4XF reported that SciTrek was having a meeting to reorganize and revitalize the amateur volunteers for the W4WOW station. We hope that more volunteers will be forthcoming to continue this worthy project exposing school age kids to ham radio at the Science museum. We have a history of Chapter 49 involvement at SciTrek to maintain.

Secretary/Treasurers report included $227 in the chapter account and a recount of nice letters from Leland Smith W5KL reminiscing about Wendell and reminding the secretary to not believe everything he reads on the QCWA reflector. Mea culpa and many thanks to Leland for a nice donation to the Chapter treasury. The secretary also reports that the membership renewals were very effective since we listed the call signs needing to renew in our Newsletter. Apparently our members can spot their own call signs much quicker than the renewal form! Thanks to Florence N4TNZ for her suggestion to do this. We had nearly 100% renewal responses and in record time. After my recent editorial in the newsletter about declining membership Mary W4NZJ found and read a couple of articles from the archives on the membership subject. One was written by Bill Plage W4DQT(SK) and the other by Leland Smith W5KL. Our new historian is alert and on duty keeping the secretary in check. Thanks to Mary and we may use those articles again in future newsletters. We received a note from member Ron Tingle N4SBI informing us he was moving to the Washington DC area. Best of luck with your relocation Ron.

Joining QCWA and Chapter 49 at the meeting was DXer Nancy Draheim NK4U of Kennesaw who immediately volunteered to help the computer weary secretary with Database issues. Thank you Nancy! Also returning to the QCWA and Chapter 49 fold was Bob Rosenthal W4IH of Atlanta. Bob won the door prize drawing for the book "Amateur Radio Encyclopedia".

Chapter 49 had a table at the Kennehoochee Hamfest. Table volunteers were Fred K4KAZ, Lawson AE4GQ, Doug KT4XF and Bob K4SZ. We shared the table with the Southeastern VHF Society. We got to

eyeball with a lot of QCWA members and other friends after the long winter layoff from local hamfests. Joining National and Chapter 49 at the hamfest were Bobby Canup W4OHA of Marietta and National member Gary Liljegren W4GAL joined us in the chapter. We also recently had Guy Shields W4GBU of Stone Mountain and Lowry Rouse KM4Z of Lawrenceville join both National and 49. Guy has started a web site for Chapter 49 at http://www.mindspring.com/~w4gbu/qcwa.htm. Lowry is the ARRL GA SEC and joins the many GA ARRL officials in Chapter 49. Welcome to our five new members. Ron McDaniel showed up at the hamfest with a new call. W4ALJ replaces KN4LU. Can't wait to see what the master of "fractured phonetics" comes up with now but I'll make a pre-emptive strike: 'Watch for Antiquated Legalistic Jabberwocky'. And you all thought I couldn't even spell "Thesaurus". The ball is in 'hizzonners' court now, I just hope I'm not!

Our program for this meeting was a great presentation by Steve Diggs W4EPI. Steve is an AMSAT area coordinator and chairman of the 2001 AMSAT Symposium to be held this fall in Atlanta. Steve's talk was a review of available satellites, satellite operating, equipment requirements and antenna choices. He also showed a 2m/70cm handheld crossed yagi with dual-band handheld transceiver that he uses for demonstrations at hamfests and schools. The presentation had most of us ready to go straight home and start getting equipment ready to get into satellite operations ourselves. Thanks for the great presentation, Steve, and for being available at the last minute.

Bob Lear K4SZ - Secretary/Treasurer

Chapter 51, Tex-La Golden Triangle

At the January meeting our club celebrated 10 years of continuous monthly meetings since its rejuvenation. At the February meeting Bob W5TFY and Judy KB5IMY, Bailey gave a digital slide presentation about their travels through the Canals of France aboard the Pooh Bear. Check out our web site to see some of their pictures and read about their travels. (www.setx.com/qcwa51)

From left to right: Steve Gomez - KE5O, Seve Gomez - KD5NLX, and Al Long - N5AL.

Our March meeting was held in connection with the Orange Ham Fest. Steve Gomez, KE5O, had a very special guest, his son Seve who had passed the Technician examination that morning. Also present was Al Long N5AL, who had been the sponsor of the amateur radio club at Steve's high school in the 1970s. Al introduced Steve and numerous others to Ham radio. Steve had the opportunity to meet his dad's Elmer.

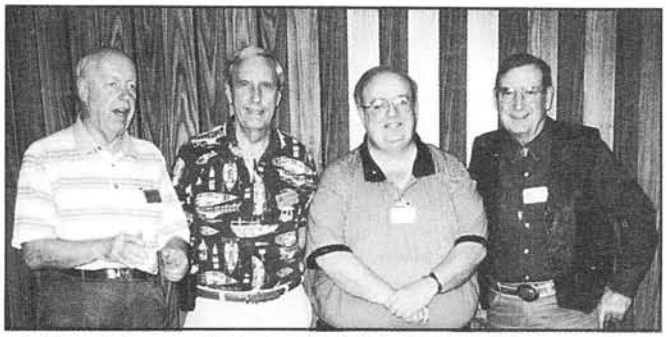
During this quarter three of our members became silent keys. Tom Housenfluck - W5HYD, Leon Purkey - W9OTZ and Phil Richards - K5INE will long be remembered by the members of Chapter 51.

Dub George W5DUB - Bulletin Editor

Chapter 53, Suncoast

While many northern states suffered through a long, cold winter, we have to comment that this was also a tough winter here in the Sunshine State. Fortunately, the unseasonably cold weather didn't negatively affect attendance at our monthly gatherings, probably due to the variety of programs arranged by Chapter VP, Bob Siff - K4AMG.

During our December meeting, Bob - K4AMG donated several pieces of classical/historical electronic equipment for auction by the Chapter. Bob's donation led to the idea for an auction at our January meeting. John Karban - W3IGC served as auctioneer, with "generous" vocal support by the audience, as donated items of all types and vintage were bid on by the members. The auction helped our treasury significantly. Chapter 53 was represented at both the Sarasota Hamfest and the DeSoto ARC Hamfest in Arcadia, Florida during January, with many QCWA members and interested hams signing the visitor's roster. Suncoast Chapter was very honored by the presence of QCWA President Gary Harrison - KØBC and his wife Carolyn - WBØOUM at our February meeting. Gary, Carolyn, and all those in attendance enjoyed a history lesson as Hans Napfel - WB2BZZ gave his informative presentation on "Early Radio". Chapter 53 Past-President Frank Schwab - W8OK was President of the Dayton



Left to right: Croft Taylor VE3CT - QCWA Vice President, Art Kunst W3WM - QCWA Director, Gary Harrison KØBC - QCWA President and Jack Sproat W4JS - Chapter 53 President.

ARA when the first Dayton Hamvention was brought to life back in 1952. Chapter 53 members John Willig - W8ACE was Chairman of the first Hamvention and Bob Siff - (now) K4AMG was its Publicity Chairman. Frank's talk about the "Genesis of the Dayton Hamvention", with some "prompting" from his wife Carloyn, was greatly enjoyed by all at our March meeting. Suncoast Chapter has a luncheon meeting the first Thursday of every month-October through May-at Denny's, 3701 Bee Ridge Road, Sarasota. All QCWA members in the area are always welcome!

Jack Sproat W4JS - President

Chapter 63, Central Oklahoma

On the 20th of January 2001 our Chapter had our first Quarterly Breakfast of the year. It was held at the Hometown Buffet in Oklahoma City, OK. We had 17 members and guest in attendance, not as many as we had hoped for. (But weather wasn't the best in the west however) Nancy Gallaway the Coordinator of the TRAID Section of the Oklahoma County Sheriff Office gave a very informative program on how to protect your Personal Identification from Theft. She was well received by our group. We had elections during the meeting and Jay Ingram, W5QVS and Willard Henderson, W5UZV were elected as Directors. Both Jay and Willard have served as officers before in our Chapter. Our officers and Directors as of now are: President—LARRY WATSON—W5EIU; Vice President-GEORGE CLARK—W5JKK; Secretary/Treasurer—NORMAN M. WILSON—W5FLO; Directors are WILLARD HENDERSON—W5UZV; JAY INGRAM—W5QVS; JIM SPECK—W5AI; AND RON CRON—W5CFN. Net Manager and Historian GENE NAILON—K5DLE. Our Chapter 63 has had four new members since the first of this year. Recruiting has been down. We are trying to generate more interest in Radio in general and QCWA within our Chapter 63. We have started to have Tail Gate Meetings on a quarterly timetable, changing our Quarterly Meeting from Luncheons to Breakfast, etc., in an attempt to generate more participation's In these activities. We would accept helpful ideas along this line from other Chapters.

Norman M Wilson W5FLO - Secretary/Treasurer

Chapter 64, El Paso

Chapter 64, El Paso, TX, meets for lunch at 11:30 AM on the 3rd Saturday of each month at Bucks Bar BQ, Dyer and Sanders Streets. Guests are welcome, new members are more than welcome!

Our club was well represented at the annual Worked All El Paso awards banquet in January. Jean Carlson KØZRD, won the QCWA award, as well as 2nd place in the contest and the YL plaque. Our faithful member, Bill Rodgers K5WAE, was presented a plaque in recognition of and thanks for the many years he has been in charge of the WAE contest, and is now passing the job on to someone else. Many thanks, Bill, for a job very well done.

Tex Burdick W5BQU, was presented with a 70 year certificate at our February meeting. Congratulations, Tex.

Tad Burdick W5BQU displays his 70-Year Award.

Recently installed officers. Front row: Judy Scheiderer WB5HGL Director and Jean Carlson KØZRD - President. Standing: Manny Gonzalez W2BFI - Secretary/Treasurer, Bob Rogers K4HRI - Director, Bob Smith K5VRF - Director and CW Hiett N5HRD - Vice President. Our fourth director is Greer Craig K4VQN.

The February meeting was adjourned early as we proceeded to Bethany Christian Church to bid farewell to another silent key member, George Nail K5GSA, who passed away February 12, 2001.George was head of a truly ham family. His wife, Wilma, is N5HDA, and his son and two grandsons are also licensed. He'll be missed by all of his ham friends. Our sympathy to Wilma and her family.

Our club-call custodian Rick Rumbaugh has a new call. He was WA5PIE but is now W5PIE. Rick is curious to know who was the original owner of W5PIE. Anybody know?

Jean Carlson KØZRD - President

Chapter 70, National Capital

Have you ever heard an echo of you or someone else's signal? Delayed echoes of up to 15 seconds and more have been observed as long ago as 1927 when they were first discussed. Echoes with delays of 138 ms or multiples thereof are explained by around the world ionospheric propagation. Medium delay echoes with delay times in the range of from 0.3 to 0.4 seconds are the result of propagation along the earth's magnetic field lines. But long delayed echoes are still somewhat of a mystery.

Alan Goodacre VE3HX has been interested in signal echoes for many years and has published papers on the subject. He has and continues to conduct research in this area. He and others have heard echoes over the frequency range from 75 meters to 23 cm. Several amateurs in Seattle heard echoes on 75 meters simultaneously. Keyer bursts were sent while spinning the dial. The 230 ms delayed signals tracked. Work done with the ISIS topside ionospheric sounder determined that they resulted from propagation along the earth's magnetic field lines. The delay of these kinds of echoes depends on your location. From Ottawa they are in the range of from 0.3 to 0.4 seconds. At 85 degrees North the delay time is 15 seconds because the magnetic field lines become longer as you go farther North.

Alan is going to do more experiments this summer. He has a two times four element 10 meter array he can elevate and rotate. He tape records his short transmissions and any delayed received signals along with a time signal. Analysis is done with a convolution process on the computer, which brings very weak signals out of the noise. His experience is that in operating for an hour he will get one or two hits. With more recorded samples of echoes with delays of a second or more their origin possibly can be determined.

Two new members, Joe Pakinson VE3JG and Marg Heaslip VE3EQE were warmly welcomed.

Clare Fowler VE3NPC - Secretary

Chapter 76, Blue Ridge

Hello, from the Blue Ridge Mountains of North Carolina, and the town of Hendersonville, home of Chapter 76. We have a very active QCWA chapter that meets the first and third Wednesdays, 11:30 AM, at Ryans Steak House. Visitors to our area are most welcome to join us at the luncheons. Chapter 76 officers for this year are:

Jim Harrison W4TFT - President, George Knudsen W4GCK - Vice President, Danny Mellard WA4TOG - Director, Edith McDade WA4SRD - Director, Duke Knief W4DK - Secretary, Walt Steiges W1HTL - Treasurer.

Duke and Walt are continuing in their officer positions and that, thanks to them, holds our Chapter together.

At a recent meeting, we had a wonderful event when D. B. "Doc" Appleton, K4RR and Bill Symons, K4IH, received number 18 and number 21 QCWA

Doc Appleton K4RR on the left and Bill Symon K4IH on the right displaying the beautiful QCWA plaques for their 80 years of licensed amateur radio service.

plaques that commemorated 80 years of licensed amateur radio service. Doc and Bill told us of their early activities in radio and those attending the meeting thoroughly enjoyed the remarks by these fine men. Both Doc and Bill continue to be active hams and active Chapter 76 members.

We have outstanding programs and interesting speakers at our Chapter 76 meetings and again we invite all in our area, vacationers too, to join us at our luncheon meetings.

Chapter 81, Long Island

Since our holiday meeting in December at the prestigious Milleridge Inn, our activities have slowed down due to the approaching winter. It was now decided that it would be imprudent to continue underwriting portions of the dinners at expensive meeting places

After much searching we located a suitable restaurant with modest prices and a separate area where a meeting could be held undisturbed. A further change was in the dinner format. It allowed ordering from the menu. This pleased many members who objected to a limited choice of pre-arranged dinners.

It was arranged to have our first meeting of the year (Feb.28, 2001) at the new place of our choice. It is called "Boulder Creek" and is built in western style like a huge bunkhouse. Although lacking in intimacy it has a certain western charm. There was an elevated platform somewhat removed from the general clientele which was quite adequate for meetings.

The wintry weather limited the attendance to about 17members who, as always, enjoyed the camaraderie.

Herman Milatz W2ILC - Secretary

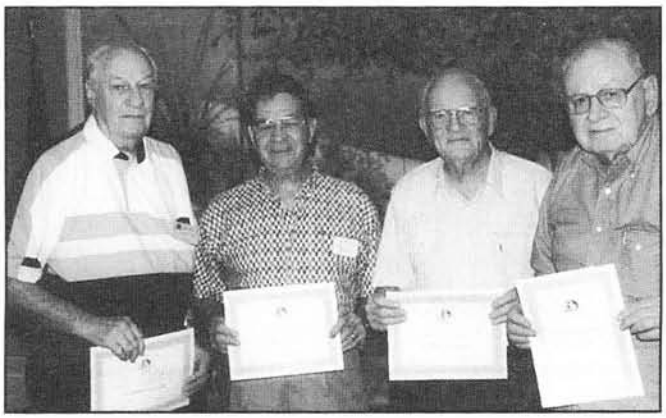
Why does a slight tax increase cost you $200 and a substantial tax cut save you thirty cents?

--Peg Bracken

Chapter 82, Sailfish

At the Sailfish chapter 82, in January, President Norm Dias W1UHY, presented the following awards from QCWA. George Daly W3WU 65 Year Award, Norm Dias W1UHY 50 Year Award, and the following Century Awards, Hank Folkerts K4KO, Bill Klinke KA4MWG, Ray Sipprell W4OBY, and Bill Phelan W2AWA who was presented his at his home as he was unable to attend our meeting. Congratulations to all who received an award.

At our February meeting we were glad to welcome our national Vice President Croft Taylor VE3CT Who answered questions some of the members put forth to him. He also passed out some information on this year's National Convention to be held in October aboard the Holland America Line ship Westerdam.



L to R: Bill Klinke, KA4MWG with the Century award; Norm Dias, W1UHY, with a 50 year award; Ray Sipprell, W4OBY, with a Century award; and George Daly, W3WU with a 65 Year Award.

Bill Phelan W2AWA, Century Award (total of 131 years) QCWA number 1850 - presented at his home.

The members of the chapter enjoyed Croft's visit and thank him for spending some time with us. The March meeting was spent talking about the upcoming Martin County Amateur Radio Association's Hamfest that came up the next Day at the Martin County Fairgrounds in Stuart, Florida. Sailfish Chapter 82 had a QCWA information table as it has for the last few years. The table was manned by Bill Klinke KA4MWG, Bill Bergan NU4X secretary, treasurer of the chapter, Ray Sipprell W4OBY, Norm Dias W1UHY and Don Lovett K8BXT who also helped at the MCARA club table next to us.. It was a very well attended Hamfest.

Anyone in the Stuart Florida area is welcome to our monthly meetings held on the 3rd Friday of the month at 11 AM, at the Flamingo Restaurant on US1 in Stuart.

Norm Dias W1UHY, President

Chapter 91, Vic Clark

January 2001 Meeting - Baby, it's cold outside! Because of the threat of icy weather on our January meeting date, we here in the Washington, DC, area stayed home and kept warm.

February 2001 Meeting - Twenty-three members and three guests were present at our first meeting of the year/century/millennium. This was our QCWA "Annual Meeting." Past National President Jack Kelleher W4ZC, installed our newly elected officers. Chapter President Lew Bradley W4SWP, commented that Chapter 91 was credited with a total of $300 to two scholarship funds memorializing members who became Silent Keys in 2000, Milt Snyder W3AWL, and Bill Miller K4MM.

Program-Cass Scenic Railroad; Spy Radios and Related Devices. We viewed a very well done video produced by QCWA National Director John Johnston W3BE. "Riding the Cass Scenic Railroad" resulted from a trip our Chapter took last June to West Virginia to see the radio telescopes near Green Bank, WV, and ride that legendary railroad.

Lew Bradley W4SWP, did a show-and-tell about his "spy radio" from WWII. It is housed in a small wooden suitcase containing a transmitter, receiver, and two spools of antenna wire. The transmitter comprises two 6V6 tubes in push-pull, driven either by a crystal oscillator or a VFO, both built in. The transmitter operates CW or AM from 3 to 18 MHz in three bands using plug-in coils. Batteries carried in a separate suitcase provided power.

Jim Wilcox W3WV, showed and described a "telephone bug" he had built about 1967. This was a one-transistor Colpitts oscillator, slightly smaller than a postage stamp, and transmitted just outside the commercial FM broadcast band. With no more "spy" equipment to view, many "war stories" followed. We had a great time reliving old memories!!

Fund raisers. Not bad: 39 bucks! Thanks to all who participated so generously!

March 2001 Meeting - President Lew welcomed sixteen members and four guests. Today was Saint

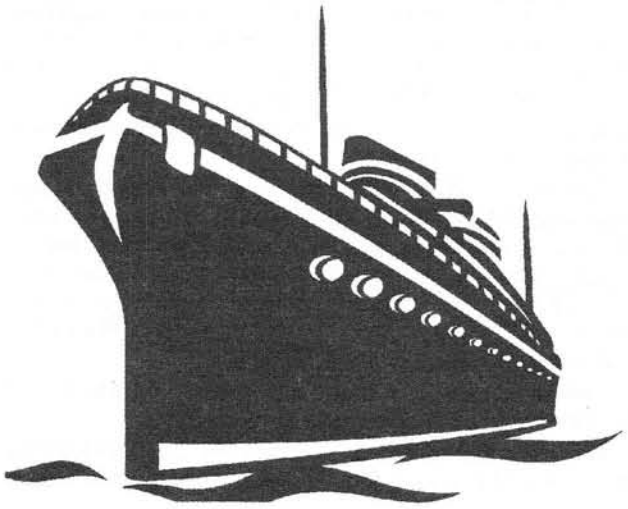
QCWA 2001 Convention is going on a Cruise from October 27th to November 4th onboard Holland America's Westerdam and we would like you to come along

Ship's itinerary includes stops at Nassau, Bahamas; San Juan, Puerto Rico; Philipsburg, St Maarten; St John & St Thomas, USVI; and Half Moon Cay, Bahamas

QCWA rates and stateroom categories for the October 27th to November 4th adventure per person

	CATEGORY	PRICE	ROOMS HELD
N	Inside room, two lower beds	$649	2
LL	Inside room, two lower beds	$679	8
L	Inside room, two lower beds	$699	10
K	Inside room, two lower beds	$719	10
G	Outside room, one double bed, one sofa bed	$809	10
F	Outside room, one double bed, one sofa bed	$829	10
E	Large outside room, two lower beds	$869	20
D	Large outside room, two lower beds to queen	$909	20
C	Deluxe outside, two lower beds convert to queen	$979	10

White Travel Service of West Hartford, Connecticut is handling all the booking arrangements for this excursion. They can be reach at 1-800-547-4790. The above rates are for double occupancy. Port charges, air transportation (if requested), air taxes and government fees are additional. Other stateroom categories can be requested. Rates for single, triple and quad occupancy are available on request.



Chapter 162 is our Host and Larry McCalvy, WA9JMO is this year's convention Chair

Clarification questions and/or additional details can be obtained by calling Larry at (262) 639-7327 or emailing to wa9jmo@wi.net

QCWA's International Convention for 2001 has taken a bold new approach to their traditional yearly conference. In awarding this year's event to Chapter 162, and approving an eight-day eastern Caribbean cruise, your Board of Directors has made it possible for members living outside of the North American Continent to participate. In viewing this eight-day adventure as a vacation with a convention thrown in, allows, in my opinion, a better opportunity to justify the time and expense to you, spouse and/or family members. Haven't you always wanted to take a cruise?

Ham Radio activities that will occur onboard are still being considered. We have written permission to operate a HF station on the ship and are working toward getting a special event call. Three of our ports of call are USA territories. They, the ship and island of St Maartens are members or signatory of the CEPT agreement, which allows us to operator in their territories. Hams need to bring their current original license to operate in CEPT countries.

We will have a cocktail party onboard for our group, and each traveler will receive by mail, a videotape of the cruise and Ham events. Both are complimentary with our Amateur Radio outing. Several folks are working to attract a few well know entertainers, that hold Ham licenses to join us. I am working to garnering a few nice door prizes, some will be cash; and we should also receive a cash rebate. As of this writing, we have one forum scheduled on Collins Radio Equipment.

As this is a first for QCWA and Chapter 162, our onboard Amateur Radio activity plans are still very flexible. We will continue to define, refine and embellish any and all ideas even remotely associated with possible Ham events aboard the Westerdam. Your input would be greatly appreciated. Drop an email message to wa9jmo@wi.net, a FAX to (262) 639-7327, and/or call Larry at (262) 639-7327.

Other than the cost for the cruise, and transportation if needed, as quoted by White Travel Services, Inc. in West Hartford, CT @ 1-800-547-4790. There will NOT be a registration fee. HOWEVER, the registration form below does need to be completed and it or a copy mailed to:

Larry McCalvy, WA9JMO, QCWA International Cruise Convention Chair
5400 Six Mile Road
Racine, Wisconsin, 53402-9741 USA

Holland America Westerdam Cruise, October 27th to November 4th 2001

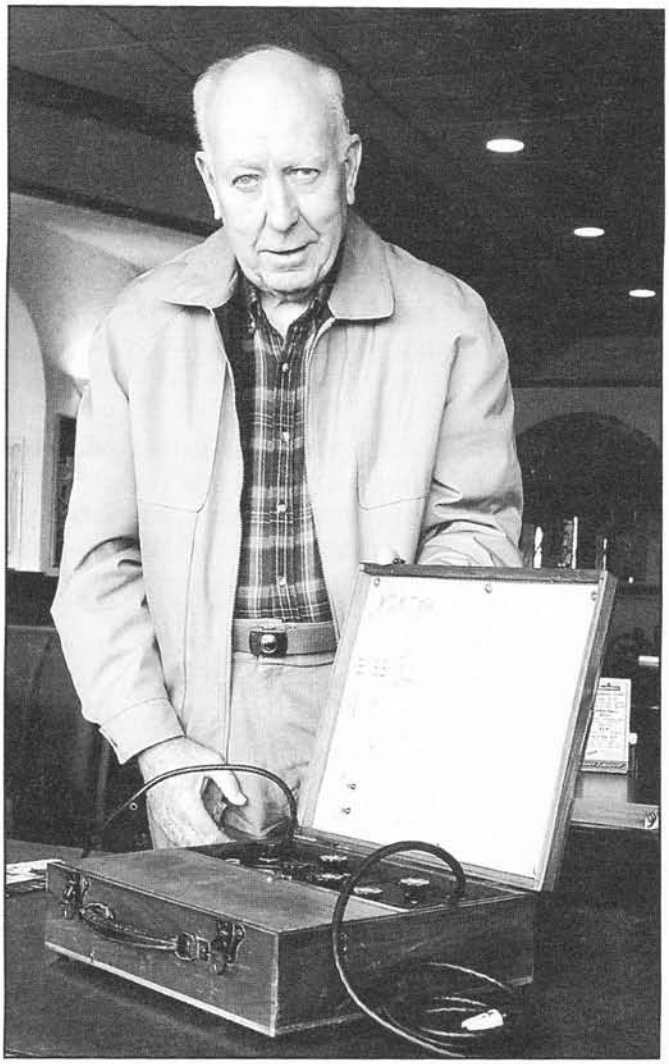
Name: _____ **Call:** _____ **QCWA#** _____

Spouse/Guest: _____ **Call:** _____ **QCWA#** _____

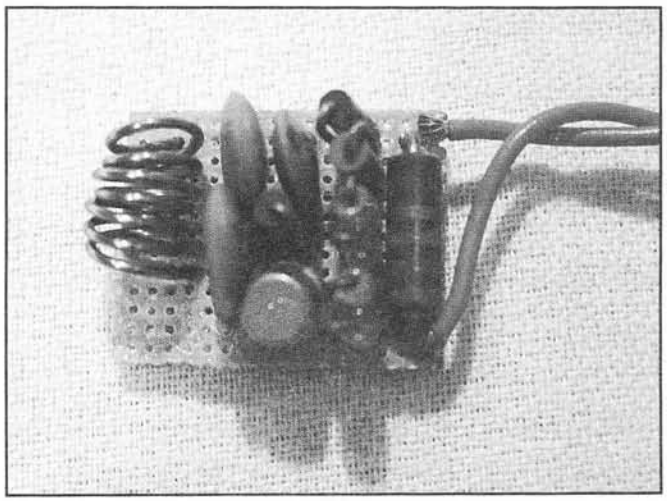
Additional Guest(s): _____ **Call(s):** _____

Address: _____ **Email:** _____ **Telephone#:** _____

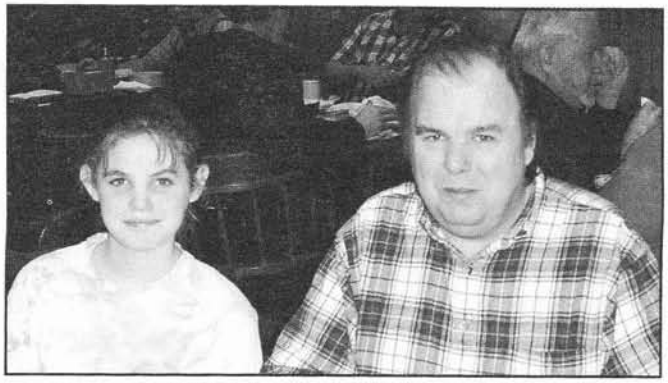
City: _____ **State/Prov/Ctry:** _____ **Zip/Post Code:** _____



Lew BradleyW4SWP - Chapter President and his spy radio from WWII.



A phone bug designed and built by Jim Wilcox W3WV. It's about the size of a postage stamp.



Lee Garlock KD4RE and his daughter Eileen at our February meeting.

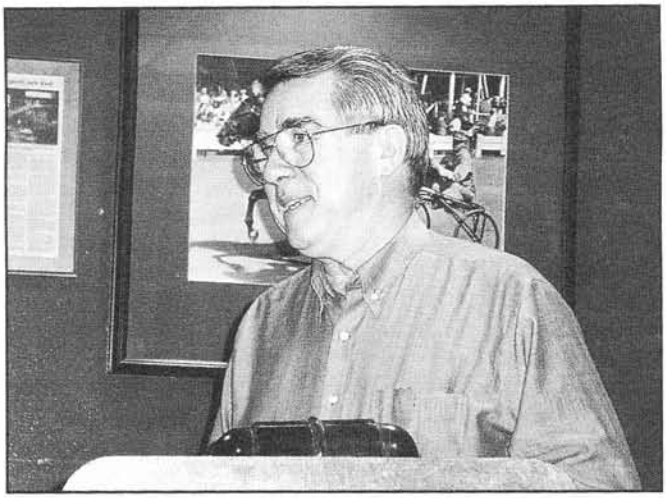
Lew Bradley and Nelson Seese.

Patrick's day. This elicited such malarkey as Lew, wearing a silk scarf brighter than any green you have ever seen while sober, introducing himself as "Lewis O'Bradley." When past-President Terry Hines N4ZH, introduced himself as, "My name is Terry . . . EI4ZH," the room exploded in uproarious laughter.

Program: Experimentation on the 2000-meter band. André Kesteloot N4ICK, is the Coordinator for Low Frequency (LF) Experimentation for the internationally known Amateur Radio Research and Development Corporation (AMRAD). André and others in AMRAD, under an STA from the FCC, have been working with other hams in Canada and several European countries to find out how to communicate at 136 kHz without spending a fortune doing it.

Why are these extremely competent, serious experimenters taking this on? André commented that this technically challenging problem is one that explores some poorly understood aspects of antenna design and propagation, among several other intellectually and practically difficult things. It also is fun to work and play with a group of bright, like-minded experimenters.

So what makes communicating at 2000 meters so difficult? Think about scaling up a quarter-wave 2-meter antenna over 1000 times; that's about a third of a mile! André: "Even the largest antennas we can build are but a small fraction of a wavelength. Whatever one uses, the radiating efficiency is very low. One must generate between 300 watts and 3 kW of RF in order to get just one watt of radiated power."



Andre Kesteloot N4ICK, describes the challenges of 2000 meter operations to the Chapter.

There was so much more to André's presentation than can be summarized here, but suffice it to say that he held everyone's attention with his wit, knowledge, and 50-60 outstanding slides! All this provoked a very lively Q&A session afterwards. Many thanks to André for a truly excellent program! (Our chapter newsletter contains much more detailed and interesting information about all the above and more!)

W3WV ES KM4ML

Chapter 94, Albuquerque

QCWA Roadrunner Chapter met at the Sirloin Stockade Restaurant Saturday March 10th, 2001, 16 members and guests present. Business as usual conducted. Friends, spouses, and all enjoyed the social gathering as well.

Each year, we celebrate the presentation of Gold and Century Club certificates. Those members, whose anniversary fall within the year are eligible for the entire year, consequently, we make it the highlight of our 1st quarter meeting.

The presentation of golden award certificates to some of our distinguished members are always a delight. There are 3 golden-certificate awards celebrating 50 years or more in the amateur radio service, also there is one century club certificate issued to a member whose age, when added to his number of years as a member total 100 or more.

Larry Daily K5DHX - 60 year and 100 Century Club certificate, Donald Grab K5BIS - 50-year certificate, and Chuck Stanton W5LBU - 55-year certificate.

This year marks the first ever Meritorious Award Certificate to be presented to one of our Chapter #94 members. Our chapter Sect/Treas, Irving McLane N5KVX; has been given this Award for his dedicated 10 year service to the Chapter, and for his diligence in publishing a Quarterly News Letter, aligning meeting accommodations and making program arrangements. Not to mention filling the President and Vice President vacated positions until such time a slate can be called.

L to R: Chuck Stanton W5LBU, Irving McLane N5KVX, Larry Daily K5DHX, and Donald Grab K5BIS.

Irving McLane N5KVX and Warren Perkins W5UZU making the presentation.

The Roadrunner Chapter 94 can be proud to honor those distinguished members, who have contributed to the advancement of amateur radio through the years. 23 of our members have been awarded 71 certificates, some of them up to 6 each. Congratulations!

Irving McLane N5KVX - Secretary/Treasurer

Chapter 102, Dakotas

Chapter members have been busy during this reporting period. The Chapter's Special Event Stations, using our call sign WØDAK, that operated between February 10th and 11th to commemorate out 24th anniversary as a QCWA Chapter was a success. The following operators made 281 contacts: Roger Kehm KØROG, Al Belk WAØYRI, Roland Cory WØYMB, Dave Dekker KØERM and Frank Shaw NUØF. Dave KØERM won our chapter's Traveling Trophy for the

most contacts. This was his second win. Next year we plan to continue this special event.

Frank Shaw NUØF was part of the VE test team that gave license exams the morning of February 17th. This was in conjunction with the Black Hills ARC Annual Fund Raising Auction and late Christmas dinner, held that day. After the test session Frank manned a QCWA table at the auction site to promote QCWA and Chapter 102 membership. On February 24th Frank traveled to Hot Springs, SD to attend their ham club's annual holiday dinner.

Our Hill City, SD member, Frankie Kruse WØMZI was also at the dinner. Chapter member Dan Richmond WØNBX, who is also State Director AF MARS SD and ND (AFF3SD/ND) was part of a group of local hams that provided operators and equipment in support of the Civil Air Patrol's search for a missing aircraft. The aircraft, a Baron B55 twin with three people on board, had been reported missing on a flight between Rapid City, SD and Norfolk, NE. Amateur radio involvement started with two hams who are also CAP members then increased to include four additional operators, a motor home and Ford Expedition, both with complete HF, VHF and UHF capabilities. The team of amateur operators provided communications between search operations centers in Rapid City plus a secondary search operations center in Winner, SD, which is approximately half way between Rapid City and Norfolk and with ground and aircrew conducting the search. Unfortunately the aircraft had not been found when search operations were temporarily suspended Monday March 5th.

Roger Kehm KØROG - Vice President

Chapter 112, Yankee

In response to Yankee Chapter members request for more meetings, a "post-Valentine Day" meeting was held on February 17. Twenty-two members and guests attended. The meeting was a buffet held at the Yangtze River Restaurant located in Littleton, MA. Dave Rego, W1GCA, is a member of the Antique Wireless Association, as are other members of the chapter, presented a program of slides which were accompanied with a prerecorded tape narrating a tour of the association's Electronic and Communications Museum located in Bloomfield, NY. The museum includes historical items from both commercial broadcasting as well as amateur radio equipment.

Next meeting will be the Chapter's annual meeting with election of officers.

Chuck Walbridge, K1IGD - Secretary

Chapter 126, Piedmont

The Chapter 126 spring 2000 meeting was held at the Classic Restaurant in Denton, North Carolina, almost in the center of our Piedmont geographic region. Total chapter membership, as of this meeting is 55. One of our own, John Covington, W4CC and Section Manager for North Carolina gave a talk on the history of amateur radio. Following a scrumptious lunch and Johns informative talk was fellowship time and "eye-ball" QSO' s.

Fall ushered in our September 16, 2000 meeting in Greensboro, N. C. There were 20 members and guests present to experience an interesting early afternoon walk down memory lane. Ron Lawrence, KC4YOY, President of the Carolinas Chapter of the Antique Wireless Association presented a timely and interesting program on "vintage equipment".

As indicated by attendance (27 members and guests) our most popular meeting - the Christmas one (December 9, 2000) - was held at the Bermuda Run Country Club in Clemmons, North Carolina, a suburb of Winston Salem. After a luncheon, spoken highly of by the eaters, the meeting was turned over to Dick Genaille, W4UW, who spoke about his trip, with his wife Elizabeth, to China. It was a splendid presentation with narration, slides and video of China.

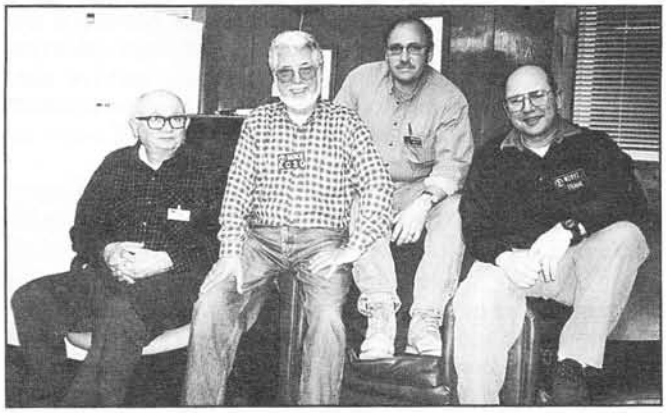
Our March 25, 2001 meeting was held in Charlotte, North Carolina in Conjunction with the CC-AWA. (Carolinas Chapter of the Antique Wireless Association). The Airport Sheraton was host to the 3 day CC-AWA meeting and was climaxed by the QCWA/CC-AWA luncheon. 14 QCWA members and guests were present. 32 CC-AWA members and guests were present. Sandwiched between a brief business meeting was a superb program by no other than "Mr. DX" himself, Gary Dixon K4MQG of Fort Mills S.C. What a great time did all members and guests have.

Chapter 126 2001-2002 Officers and Director

President - Joe A. Brown Jr W40NJ, Vice President - John Covington W4CC, Secretary - Gary Howell WB4BMJ, Treasurer - Chuck Brydges W4WXZ and Director - Henry Elwell N4UH

Chapter 138 Report

This year an Extra meetings of the chapter will occur on the fifth Wednesday of every month that has 5 Wednesdays. The reason for the extra meeting is to give those who work during the day an opportunity to get together as a club and bring out others that might join. The first meeting was held January 31 in the evening at the Ft Monmouth MARS station. The members present discussed plans for the upcoming Marconi



Getting ready for International Marconi Day Special Event. L-r: Sterling Rogers N2GT, President Mike DiPersio KC2Q, Marty Szumera WN2DX, Frank Wroblewski W2XYZ.

Day, 24 hour special event, for April 20 -21. The Marconi QCWA chapter 138 will use its station call, WA2GM, and operate from the MARS station.

The 20th Annual Awards Dinner-Dance is scheduled for Sunday, May 6, 2001 at the Fort Monmouth Officer's Club. Three local Hams Joey, Nicky, and Doreen, better known as "The Family" will provide the dance entertainment. Many door prizes, a special drawing, a good band with dancing, a good dinner make for a very pleasant Sunday afternoon.

The new officers for 2001-3 are: President Mike DiPersio KC2Q, Vice President Frank Gudicello K2TVY, Secretary Bernie Ricciardi WB2EJT, and Treasurer Dave Ottenberg WA2DJN.

Chapter 149, Nutmeg

Forty-nine members and guests of the Nutmeg Chapter No.149 gathered at the Paradise Pizza Restaurant in New Britain on Saturday, February 10, 2001, for our quarterly luncheon meeting. New member, N10UP Jim McGillivray, was introduced. Cal Bennett W1KHL, our Activities Manager, had arranged a fine choice of Italian style dishes, which were enjoyed by everyone. Cal' s assistant, Al Cohen W1FXQ, presented a speaker brought in from his own local club, the Newington Amateur Radio League, Allen Pitts W1AGP, who presented an interesting talk about the "Box Project" a group of people who help impoverished and despondent families of rural America.

President Paul Taylor K1AFI, presented Anniversary Award Certificates for several of our members: 50 years - Laird Campbell W1HQ and Norma Komacki W1UBM; 60 years - Jim Kyle KCISD and Don Steele WINFG; 65 years - William E. Heil WIJXR and Cal Bennett WIKHL; and 70 years - Tom Guadliana WIDCM, Ralph Nichols WICNU, John Savonis W1DBS, and John H. Thompson WIBIH. Some members were absent, so their certificates will be mailed to them or delivered at a later meeting. As Norma W1UBM, accepted her certificate, her O.M. Walt W1YOC, mentioned that Norma had obtained a WAS award during her first year, while a Novice.

We had a few laughs and some happy faces at the close of the meeting with a small raffle. W3QAN won a 140 foot coil of antenna wire, donated by member Tom Evans, W1JC of the Evans Antenna Company, W1UVM won a jar of home made pickles donated by K1FPP, W1RW a dozen Dutch Tulips, donated by K1AFI.. W1DBS and W1CTX won the luncheon meals reserved and paid for by two of our members who were no-shows, and several members took home some glassware.

John Huntoon, W2RW, receives a 50-year award for Laird Campbell, W1HQ from President Paul Taylor, K1AFI.

L to R; Paul Taylor K1AI presents a 50 year certificate to Norma Kornacki W1UBM.

L to R: Cal Bennett W1KHL receives his Meritorious Certificate from President Paul Taylor K1AFI.

Our wandering antenna repairmen, K1AFI and K1FPP, are at it again, living up to an old tradition, by doing some important antenna work during the worst month of the winter. Last week they went up to Gale's Ferry, on the Thames River, supervised by Clete Dunn W1DIT, and repaired the 75-meter antenna for Jim Culley K1LBE. I wonder if the DIT in Clete's call stands for the Excellence of the work they do. Now we gotta have a comedian for an editor?

Don Steele W1NFG - Secretary

Chapter 154, Leo Meyerson

For the first luncheon meeting of the year, the turnout of members and guests filled the meeting room at Marie Callendar's restaurant. Those who did not attend missed a truly informative and enjoyable talk as presented by Gene Pentecost, W4IMT on switching power supplies. Gene came prepared with display equipment and pass-out literature on his topic. The round table discussion with questions and answers, as always, adds to the interest of the presentation. Thanks Gene, for a great and interesting talk.

February 15th Meeting If the "big San Andreas shaker" ever does occur, those members who attended the February 15th luncheon meeting will know what action to take that could not only save their own lives, but also those around them. The talk and videos presented by Ms. Carol Camelot entitled " The Triangle of Life Will Save Your Life" described an entirely new approach to the much taught "duck, cover and hold" technique of protecting oneself from collapsing walls, roofs and flying objects. By lying flat on the floor or ground next to anything taller than oneself, large areas falling or collapsing, such as a wall or roof, would forma a triangular space that would protect one from being directly hit. This technique was formulated by members of the American Rescue Team after seeing that people trapped under a "triangle" could be rescued with minimum injury to themselves.

Following this most informative and eye-opening talk, an "in-absentia" birthday party was held for our chapter namesake, Leo Meyerson, WØGFQ, who turned 90 in March. (Leo no longer spends the winters in the desert and resides in Omaha full time). A super birthday cake (sans candles) was supplied, courtesy of Don, W6EEN and a non-recorded singing of Happy Birthday was provided by all present. Leo turned 90 in March. We all wish Leo, many more healthy and happy birthdays.

L to R: Fran Bolen KF6BUD, George Underberger W6WAS - Chapter President, Gene Pentecost W4IMT, Don Doughty W6EEN (behind Banner), Emil Oana K6GLI and Bart Susman K6UNR. Kneeling (L to R) Paul Leach N7GGX, Bill Dews K6AWO and Norm Friedman W6ORD - Chapter Treasurer.

Here is the birthday cake to celebrate Leo's birthday, after the cake had been cut. This was an in-absentia party for Leo, since he could not attend.

March 15th Meeting - It wasn't ".... a trip to the moon on gossamer wings!" Not really, but the talk and slide show by Jim Young, W7FTT, astronomer for JPL did take us to the outer reaches of space. Jim was sent to Cerro Tololo Inter-American Observatory (CTIO) in Chile, in June 2000 to run a special telescope involved in an Infrared Sky Survey. With his own special camera equipment, Jim was able to perform his assigned tasks and record the southern Milky Way in fine detail under the most favorable conditions. Jim is a spellbinding lecturer and his subject matter always keeps his listeners transfixed on his presentation.

Next month, on April 18th, our guest speaker at our monthly luncheon will be Mr. Rick Cook, Emergency Services Coordinator, Riverside County who will speak on "Counteracting Potential Terrorism in America."

Remember, our luncheons are held at Marie Callendar's Restaurant in Rancho Mirage on the third Thursday of the month starting at 11:30am. Members and guests are all welcome.

George M. Underberger W6WAS

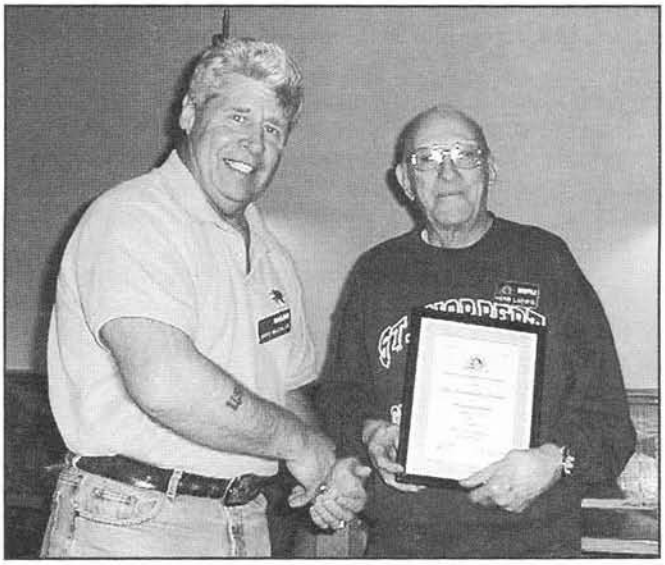
Chapter 162, Southeast Wisconsin

The third Monday evening in January found the Chapter members huddled around a large table in the Meadow's Restaurant in Franksville (Racine), Wisconsin hammering out the detailed agenda for our 2001 activities. Chapter committee appointments were made and our Secretary Bob Jensen WØWLN, asked each committee to update their written duties. Bob said the material he had on each committee was antiquated or just plain missing; and handy instructions always makes the job a little easier for the folks assuming those tasks next year.

Our Valentine Social held at the Dock's Restaurant overlooking the beautiful waters of Lake Michigan on a sunny Sunday afternoon in February was very tranquil and most enjoyable. The boaters, normally in great abundance, in and around this restau-

rant were missing that day. I think the water may have been a little too hard for their crafts to negotiate and we had the place virtually to ourselves. Ed (W9NVK) and Marie Konicek provided our tables with Red and White Carnations, vases and appropriate Valentine decorations. At the conclusion of the meal, each attendee departed in the company of a Carnation in the color of their choice.

A QCWA 60th Anniversary Award was presented to Emmet "Al" Algiers W9HR and Herb Ladwig W9PHJ in commemoration of their 60-years of service as a Licensed Radio Amateur. Ed Konicek W9NVK was similarly recognized as he received QCWA's 50th Anniversary Award and another attesting to being continuously licensed for five decades. President Larry McCalvy WA9JMO made the presentations.



Larry McCalvy WA9JMO presents a 60 year award to Herb Ladwig W9PHJ.

Ed (W9NVK) and Marie Konicek and the table decorations (red and white carnations) they brought to the Valentine's day party.

L to R Al Algers W9HR holds his 60 Yr award, Larry McCalvy WA9JMO holds one of the two certificates awarded to Ed Konicek W9NVK; one for 50 years licensed and the other for being continuously licensed for fifty years.

Each year our Chapter is asked to participate in Racine's Red Apple Elementary School's Option Program. The program allows the school's youngsters to sample different hobbies and activities available in their community. On Wednesday, March 28, 2001, from 10:30 to 11:30 AM, Spencer Clope W9LDH, Ron Fox K9AKH, and Larry McCalvy WA9JMO set up a two-meter transceiver and a bank of code oscillators in one of the school's classroom and began to challenge the minds of 12 of the school's 3rd, 4th and 5th grade students. The code oscillator group, with the aid of ARRL's Archie Comic Book and the Morse-Code printed on the back cover, and a bit of guidance from Ron, had a grand time "communicating" with fellow students and their teacher. Spence assisted each child as they had a small QSO utilizing our local two-meter repeater. The Comic Books used in the demonstration were given to the students and teacher as a memento of the event.

At the conclusion of our option time I asked the group which of the two demonstrations they enjoyed the most. Ten said the code oscillators and two claimed the repeater contacts with fellow chapter members Phil Neumiller KC9IS and Lloyd Gorsiski WB9RGO located somewhere out in cyberspace. But personally, I believed the five Hams most enjoyed the outing the most.

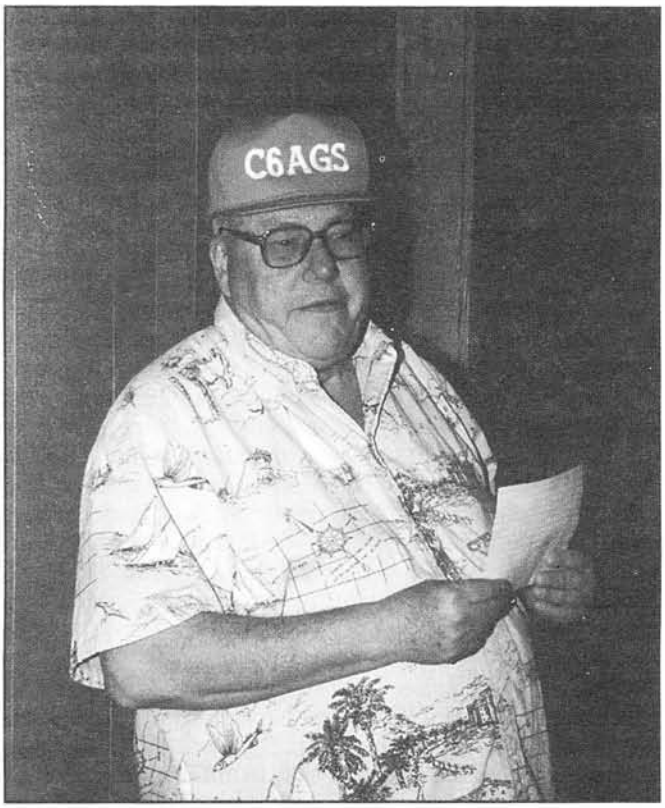
Larry McCalvy WA9JMO, President

Chapter 169, Sacramento Valley

Unfortunately our meeting place is being closed and the chapter must, once again, look for new meeting facilities. Since our location will probably change a lot during the next few months, if you have any interest in attending a meeting, please call Paul Wolf W6RLP, at the phone number below.

Our recent meeting presentations have been quite varied. We have watched the PBS series on the life of

Left to right: Paul Wolf W6RLP - chapter president, Don Johnson W6AAQ and Norm Brooks K6FO received their 65-year service awards.



Gary Stilwell KI6T, chapter secretary/treasurer describes his C6AGS DXpedition to the chapter.

Sacramento Valley Chapter 169 members at the meeting.

Left to right: Paul Wolf W6RLP, Chapter President, Joe Strazzarino W6BWZ and Gary Stilwell KI6T. Joe Strazzarino was presented his 80-year plaque.

N. Telsa, and had presentations regarding operating on the various 'digital' modes such as RTTY and PSK. Joe Sasser K6ZAM, has presented comments regarding our submarine (recently in the news) fleet and Gary Stilwell KI6T talked about his recent trip to the Bahaman Islands (C6A).

The highlight of this past quarter was the presentation of an 80-year service plaque to Joe Strazzarino W6BWZ. Joe was first licensed in 1921, at age 10 and is still active today.

The Chapter meets the second Wednesday of each month around 7 a.m. with a no host breakfast around 8 a.m. The meeting generally takes place after breakfast. YLs are welcome. For meeting location or additional information please contact Paul Wolf at (916) 489-8112.

Gary Stilwell KI6T - Secretary/Treasurer

Chapter 174, Wisconsin Badger

Robert E Baird W9NN receives a QCWA plaque for his 80 years as a Amateur Radio operator, from

Robert E Baird W9NN receives a QCWA plaque for his 80 years as a Amateur Radio operator from Wayne Johnson K9MIF, Chapter 174 President.

Wayne Johnson K9MIF, Chapter 174 President. A special luncheon was held at The Stage Stop Restaurant at Mosinee, Wis. Over 30 of Bob's many friends attended the event. Bob was also presented a letter from the ARRL for his years of service to Amateur Radio. He is also one of the few remaining people who started his radio hobby using Spark when he was 14 years old in Dayton, Ohio. He is Charter member number 52 of the QCWA.

Bob spent over 36 years with WGN in Chicago before retiring to a quite peaceful setting along the Wisconsin River at Plover, WI. He is still very active on all bands with some SSB but most of the time you will find him on CW. I might add moving along at a very rapid speed. He currently is Vice President of Chapter 174 and is responsible for organizing this chapter.

Wayne Johnson - President

Chapter 175, Oregon Coast

The March meeting had a few members unable to attend the meeting because of other commitments ranging from church meetings, school reunions and Carl W7LYM who had to pick up his car that had been stolen the night before Portland. We had the widow of Vern Carter, W6TVE, Ethel, and Dorothy the widow of Al Moore, K7AM, enjoying the good food, company and ocean view. Plans for the May 27 meeting have not been completed, notices will be sent the beginning of May.

Chuck Couch WAØLCK - Chapter Secretary

Chapter 177, Floyd Henderson

I regret to report that Ralph N. Van Natta W6WET, died on Christmas morning, December 25, 2000, at age 81, from complications following his multiple-bypass heart surgery some months ago. Ralph was a charter member and enthusiastic supporter of Chapter 177 of QCWA. A contribution in his memory, on behalf of the membership of this chapter, has been made to the Riverside Masonic Lodge.

The 103rd regular meeting of the Floyd "Lucky" Henderson Chapter 177 of QCWA was held on November 29, 2000, president Nick Rodillas presiding. Nick opened the meeting with a tribute to Dick Birbeck K6CID, the founding president of this Chapter, who passed away on November 6. Jim K6JAD, read a letter of appreciation from Mrs. Birbeck for the floral arrangement she received on behalf of the members of this Chapter. Jim, Nick, and Arlo rose and spoke of their fond memories of Dick during his many years of ham activity in this area. Jim and Nick distributed photos of Dick taken at our Chapter meetings, our annual picnic, and other of the radio events in which Dick was so very active and helpful over the years.

The first order of business was the election of new chapter officers for 2001. The floor was opened for additional nominations for president, vice-president, and secretary/treasurer. None were received. A motion was made that the existing slate of nominees be declared elected. The motion was seconded, and passed without dissent. Officers for 2001 are Nick Rodillas N6RND - president; Jim Henderson K6JAD - vice-president; and Arlo Myers WA6UDR - secretary/treasurer.

Nick announced that the chapter Holiday Dinner was scheduled for Dec. 6, at Bakers Square in Riverside. The dinner took place as scheduled, with 23 members and guests in attendance. Donna Rodillas and Tere Henderson managed the distribution of gifts following dinner. Arlo WA6UDR, won a special prize drawing, and received a solid-state 2-meter amplifier. A fine time was had by all.

Our program was presented by Arlo WA6UDR, speaking on some interesting features of loop antennas. He described the radiation pattern of the popular full-wave loop, described the feed impedances of non-square rectangular loops, discussed the patterns and feed impedances of large horizontal loops operated at high HF frequencies, where they are 2, 3, 4 or more wavelengths in circumference, described the operation of loops of half-wave circumference, loops that aren't self-resonant at the operating frequency, etc. He described the performance of large loops, of odd lengths and orientations that he has set up in his own back yard, including a half-loop operating against ground. Finally, he described double or figure eight loops, and other multiple, all-driven large loops.

Our program for January will feature the old high-seas "Sparks" Emil Oana K6LGI, of Tacoma, WA and Palm Springs, CA. Emil is retired from the ship's radio shack now, and has joined the ranks of us landlubbers. His topic will be My Personal Experiences With Mobile Operating. I've worked Emil a couple of times recently when he had a pretty good signal from his mobile layout, so I hope to find out what he's been up to, mobile wise.

We'll meet on Wednesday, January 31 at 7:30 PM in the dining room of Community Care and Rehabilitation Center, at the corner of Jurupa and Brockton Avenues, in Riverside. See you there!

Arlo WA6UDR

Chapter 182, Northeast Tennessee

The Chapter held its spring meeting in Kingsport, Tennessee at the Wright's Cafeteria at noon on 3 March 2001. There were 14 members and guests present.

Dillard Graham WA4NZT, President, called the meeting to order. William Price W4CZ, Sec/Tres. gave the treasurer's report of $335 in the bank. The nominating committee of Don Gilbert W4EHI and William Price W4CZ presented the proposed slate of officers. Nominated were: John Sanders WB4ANX - President, Charles Perry K4OZX and William Price W4CZ - Secretary-Treasurer. Members voted in the new slate of officers without dissent.

The members held an open Forum of past amateur experiences after the luncheon. Incoming President John Sanders WB4ANX, related his experiences in helping a downed pilot and his wife, a few years ago, via 2 meter radio. The pilot had crashed in a small Cessna near the top of a mountain near Greeneville,

Tennessee in bad weather. Luckily the planes occupants were not seriously injured and he was able to communicate via 2-meter radio to John WB4ANX. They were able to walk part way down the mountain where they discovered an unoccupied mountain cabin. The temperature was in the 20's, so they gained access to the cabin to get warm as they had been walking through snow. When they regained their composure, they transmitted, via 2-meter radio, the number on the power pole near the cabin. From that information, the local rescue squads were able to pin point their location and affect an immediate rescue.

William Price W4CZ, spoke of his contact with the amateur station at the Jonestown Colony in Guyana only weeks before the mass suicide.

Bob Lane KI4V, spoke of his attempt to contact his church's missionaries in the Belgian Congo from his home station as a demonstration for some local French students. As it happened this day, the band dropped out to Africa and he turned his antenna towards California to attempt to save the demonstration. He did locate a station that could speak French and his students had a chance to practice what they had learned in their French class. At the end of the demonstration, the California station stated that the French was not too bad, however, he could detect a distinct "Southern" accent! Hi Hi.

Others offered more discussions of their "early" days in amateur radio. Also discussed was the need for us, as "old timers", to support and "educate" the new ones entering the hobby. All related their very memorable experiences gained by them as their "Elmers" gave up their valuable time to graciously and patiently teach them the "ropes" of their new hobby of amateur radio.

The meeting was closed at 1:20 PM.

William D. Price W4CZ - Secretary-Treasurer

Chapter 191, Monterey Bay

The final regularly scheduled luncheon meeting of the old year for QCWA Chapter 191 was held on Saturday, October 28, 2000 at the Country Waffles Restaurant in Watsonville, CA. There was a good turnout, and after luncheon and a fifty-fifty drawing, the speaker, Robert J. Buzzard, W3RRV, who is a railroad hobbyist, gave a talk about a short-line railroad back in Pennsylvania that he and other hobbyists purchased, refurbished, and put back into operation. The talk included details of the rebuilding of the steam locomotive engine, and was illustrated with many interesting photographs.

The QCWA Chapter 191 Board of Directors met at lunchtime at Phil's Fish Market in Moss Landing, CA on Saturday, November 18, 2000. The attendees were Phil Kellen K6CJ, Len Rosen N2LR, Elliott Sperling KB3LY, Mary Sperling, Noel Hammond KK6AL, Len Gentry W60PI, and Lloyd Cabra AA6T. The meeting was informal, and after everyone had had a chance to partake of the delicious seafood served there, Phil, the chapter president, invited discussion of old business and new business. The regularly scheduled chapter meeting dates for next year were established, and speakers were proposed for each one. Assignments were made for writing a column for the QCWA Journal and for inviting the speakers to give talks at the chapter meetings.

The first regularly scheduled luncheon meeting of the New Year for Chapter 191 is to be held Saturday January 27, 2001, at the Country Waffles Restaurant in Watsonville, CA. Chapter member Dave Harbaugh will discuss Commercial Broadcasting. Dave is a veteran broadcaster and ham.

The first regularly scheduled luncheon meeting of the New Year for QCWA Chapter 191 was held on Saturday January 27, 2001, at the Country Waffles Restaurant in Watsonville, CA. Dave Harbaugh W6TUW, was sick and didn't attend the meeting, so we had to do without our scheduled talk on Commercial Broadcasting.

On February 17, 2001, the Naval Postgraduate School Amateur Radio Club held a Radio Fest, sometimes known as Winterfest, on what used to be the old Fort Ord. Naturally, Chapter 191 of the QCWA was represented. Max Cornell KØMC, sold a table full of radio equipment to benefit the Chapter, and Phil Kellen K6CJ, and Len Rosen N2LR, manned a QCWA table for signing up new members. By mid-morning, they had already signed up two new members.

We recently had tragic news. Our Chapter President, Phil Kellen K6CJ, suffered a stroke on March 12, 2001. We are given to understand that he is paralyzed on his right side, unable to speak or swallow, and is being nourished through a tube to his stomach.

Chapter 194. Hawaii

Chapter 194 welcomes the new Chapter 206, Honolulu to the QCWA family. We look forward to joint meetings and exchange of information on a frequent basis. The elected officials are recognized supporters of the association. Chapter 194 will miss their participation, but the organization will be greatly assisted by their administering the new chapter.

The accompanying photo shows Harry Nishiyama KH6FKG addressing the members and guests at a recent meeting. Harry is a top DXCC honor roll member and is one of two ARRL QSL card checkers in the State

Harry Nishiyama KH6FKG addressing the members and guests at a recent meeting.

of Hawaii. Seated on the extreme left is Ron Phillips AH6HN. Ron is the ARRL Pacific Section Manager and Vice President of Chapter 194.

Business discussed at the meeting was the preservation of call signs for SK members and location of the next meeting. Tentative sites are the Big Island for the April meeting, and Oahu for the fall meeting. The Chapter newsletter will contain details.

Our QRP club will be holding Field Day Activities before this is read, but you could have heard us on the air on 10,15,20 CW from Moku Ola Island, IOTA OC-019, call sign ALØHA.

Aloha Nui Loa

Paul Lieb - Secretary-Treasurer

Chapter 196, Edison

The last few months have been pretty exciting here in the Fort Myers, Florida area. We have had a lot of seasonal guests come to join us at our luncheons and our membership has grown. We had an opportunity to break bread with National President Gary Harrison, KØBC, and National Vice President Croft Taylor, VE3CT.

A table was set up and manned by KJ4N, W8SZU, and W3YMB at the Fort Myers hamfest in January. We had many people stop to say hello and several new applications were processed for membership.

A few chapter members took advantage of an opportunity to work at the special event station, W4LX , during the Edison Pageant of Light celebration. This is an annual event honoring Thomas Edison at his winter estate. A special thanks to the Fort Myers Amateur Radio Club for providing this opportunity to the local amateur community.

I am happy to announce the formal nomination of Ed Yoder W3YMB, for candidacy to national QCWA office. Ed had been very instrumental in the forming and growth of Chapter 196 and he will make an excellent director. Ed has previously held the position of director and he once again has the time to provide his services to our cause. Please remember him when election day comes.

L to R: Tad Burik WA8PXL, Croft Taylor VE3CT, Jan Scheuerman KJ4N and Gary Harrison KØBC.

Our secretary Jan Scheuerman KJ4N, has recently returned from a health care mission to an island in the Caribbean. Although Jan did not operate a radio station from there she was remembered in thoughts and prayers by many of her close friends. Jan is a fantastic CW operator and she is very active in the National Traffic System. Jan is an example of the type of goodwill ambassador that amateurs around the world can be proud of. She is lucky enough to have been able to wear both hats, amateur and mission activist. Jan provided a slide show at a recent luncheon that was very well received.

Tad Burik WA8PXL - President

Chapter 200, 200 Meters & Down

Left to right: Pat Callaway K4HFJ - Secretary, Earl Tonjes W4NG - Treasurer and Nick Koenigstein K4NIK - President. The Vice President Bob Sorkin W4JDI was absent.

Chapter 204, Banks of the Wabash

Left to right: Gary Wheeler, K9ERE the Pres of the Chapter and Marv Karmony, W9KT, the founding father of the Chapter.

An "Uh-huh" Headline

Alcohol ads promote drinking

The Hartford Courant

Chapter 206, Honolulu

The monthly meeting, YES, MONTHLY, meeting is held on the last Friday of every month at the Sizzler Restaurant at Pearl Ridge. Every day in Hawaii is wonderful, 75 to 85F, flowers in bloom. Our monthly meetings are over breakfast, and the first members arrive at 0730, but you either order from the menu or choose the buffet so time doesn't matter. Guests are welcome, both QCWA visitors to Hawaii and those not yet in QCWA.

We have two members of the Chapter signed up to attend the Cruise Annual Convention in October and November. 20% of the Chapter attending so far, not a bad start for a brand new Chapter.

The normal meeting turnout varies from 5 to 15 and there is room for as many as chose to attend. We are considering a Club Station with a suitable QCWA related Callsign, we'll decide in due time what we want to do. Right now, we just enjoy ourselves.

Chapter Reports Due
July 1, 2001

THE JOURNAL IS AVAILABLE FREE TO BLIND PAID-UP MEMBERS ON AUDIO CASSETTE TAPE. FOR MORE INFORMATION, CONTACT TOM CARTEN, K1PZU (tfcarten@kings.edu) or BLANCHE RANDLES, W4GXZ (w4gxz4@juno.com)- (MAY 1-OCT. 1) 44 Western LN. Amherst, MA 01002 PH: (413) 256-0179; and (OCT. 1-MAY 1) 6002 N. Fremont, Tampa,

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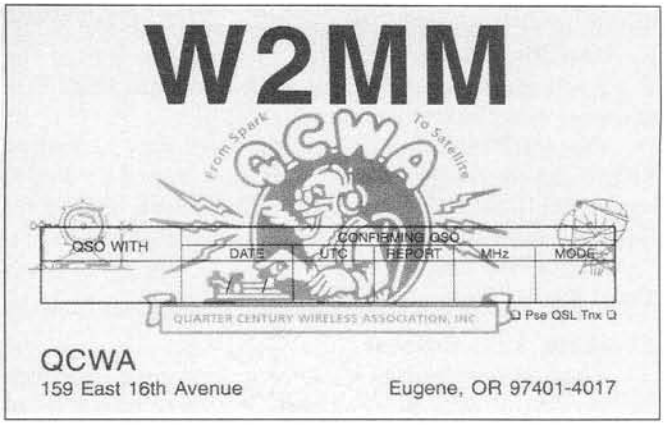

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THE PRIMARY STANDARD OF FREQUENCY

By John McKinney WØAP

In 1941, when I began working at the F.C.C. monitoring station at Grand Island the Westinghouse primary standard was in use as a tool to measure the frequency of received radio signals. This apparatus was installed when the station was built -about 1929. It consisted of two quartz crystal oscillators labeled "A" and "B" and associated frequency dividers and harmonic amplifiers, all contained in black metal cabinets about seven feet tall and occupying several square feet of floor space. The apparatus was battery powered when first installed but was later converted by the addition of power supplies for the timing chain and amplifiers. The oscillators and crystal ovens remained on battery power.

The term "Primary" when used with a frequency standard denotes that its accuracy is measured against time. A "Secondary" frequency standard is one whose accuracy is measured against another standard, which in turn may or may not be a primary standard.

We actually had two primary standards. Each was a 100 kHz quartz oscillator contained in a very elaborate enclosure. The crystal in its holder was mounted on a suspended platform (to reduce the effects of vibration) and enclosed in a bell jar. A vacuum pump evacuated most of the air from the jar. The oscillator vacuum tube and circuitry were mounted close by and all within a further enclosure. Temperature of the crystal chamber as well as temperature of the oscillator chamber were controlled separately by heaters and thermostats and monitored by thermometers marked "inner chamber" and "outer chamber". A motorized capacitor within the oscillator chamber, actuated by "Raise-Lower" pushbuttons, made incremental adjustments to the oscillator frequency. Supply voltages were carefully regulated and all necessary parameters were displayed by a row of large easy-to-read meters across the top of the cabinet.

Most of us are acquainted with common frequency standards as found in today's equipment such as the 5,000 or 10,000 kHz crystals in a frequency counter or the quartz crystal calibrator in a transceiver or receiver. These standards are secondary standards and their accuracy is verified by comparing their output frequency against a signal of known accuracy such as "zero-beating" against WWV or other "standard frequency radio stations". In today's world this is common practice and the one used by the F.C.C. today. All such standards, so calibrated, are designated as "secondary standards". The method employed to calibrate the primary standard was a more complicated procedure, as I will attempt to explain.

The output from the 100 kHz crystal was amplified and divided down, first to 10 kHz, then to 1 kHz, then further divided to 50 Hertz. The timing chain was equipped with a special clock that operated on 50 Hertz current. Using the output from the 100 kHz crystal to drive this clock any deviation from 100 kHz would be cause for a deviation in the time shown by this clock if measured over a relatively long period of time, such as 24 hours. To facilitate measurement of this deviation the 50 Hz clock was equipped with electrical contacts that closed on each time second or better explained as "tick of the clock". These "ticks" were inked on a paper tape at noon each day. A second set of inking pens alongside was simultaneously inking the "time ticks" as transmitted by the U.S. Naval Observatory over radio stations NAA and NSS. The accuracy of the transmitted time ticks was established by astronomical observations at the Naval Observatory and corrected as need be. Variations in the two inked tracks were measured on a specially calibrated "ruler" taking into account the speed at which the tape was being drawn through the inker. From these observations the day to day deviation of the frequency standard was noted and recorded in parts per million. The stability of these units was such that months would roll by before even the slightest of adjustments would be made to the oscillator circuit.

In using these units to measure the frequency of a received signal the output from the 10 kHz frequency divider would be mixed with the incoming signal by introducing it into the antenna circuit of the receiver. By adjusting the relative strengths of the two signals a beat frequency was obtained in the audio output of the receiver. This heterodyne signal would have an audio frequency of between 0 and 5000 Hertz. This audio signal in turn was mixed and compared with the output signal from a calibrated audio interpolation oscillator (AID) and the resultant added or subtracted from the known 10 kHz frequency of the standard. In using the AIO both a visual and aural beat could be obtained as the instrument had a meter in the output circuit. This was useful when the resultant beat note was below the perceptible audio range or above the peak frequency of the headset in use. One might question the accuracy of the interpolation oscillator. Comparing dial readings against sub harmonics from the standard at 100-Hertz intervals easily checked its accuracy and calibration.

When making a frequency measurement on a standard broadcast station (AM) all that was necessary was to switch on the 10 kHz multivibrator output from the standard and mix it with the incoming broadcast signal. As the legal tolerance of deviation for this service is 20 Hertz P/M any beat note of over 20 Hertz would signal that a violation notice was in order. It was established practice to "cite" a station only if the reading was 22 Hertz from the assigned frequency. This allowed for interpretation or instrument errors.

One might question whether the measured frequency was above or below the assigned channel using the methods described. When large excursions from a calibration point (i.e.: 10 KHz, 100kHz, 100kHz) were noted the "sense" was determined by rotation of the receiver dial. When the excursion was only a few Hertz, as in the case of a standard broadcast station, a different technique was employed. As stated earlier, we had two frequency standards labeled "A" and "B". The "B" standard was always kept a few parts per million below the "A". When making a measurement of any signal within a few Hertz of a 10 kHz point a beat was first obtained using the "A" standard and another using the "B" standard. Knowing that the frequency of the "B" standard was lower than that of the "A" standard, an increase or decrease in the beat note would verify the sense of the measurement.

Sometime in the mid forties the "primary" standards were abandoned and the two units were then compared with standard frequency signals from Bureau of Standard station WWV. This was done in much the same manner as making any off-the-air frequency measurement. In effect, we "measured" WWV using each unit and then compared one against the other as a crosscheck of our arithmetic. What had begun as a Primary Standard of Frequency had now been degraded to a Secondary Standard of Frequency. With the passage of time, a new and much more compact secondary frequency standard was purchased and within another few years frequency measurement by use of frequency counters strapped to the new standard.

Home Brewing - It takes PERSEVERENCE PLUS

By J.L. Whittaker, W4UPF/VE2

Probably one of the greatest changes in Amateur radio since its beginnings has been in the "home brewing" art. Originally, all amateur equipment was home brewed. Even as recently as WWII, most hams built their own receivers - although owning a store-bought receiver had become the dream of most everyone. Now, on most every band and QSO, we hear the proud proclamations: "The transmitter here is an Either Splitter K4W and the receiver is a companion SS4R." This is followed by a description of a store-bought antenna, which is 'different' in that it is almost thirty-four feet in the air. No home brewing here! Why has Amateur Radio with its long tradition of home brewing changed so?

There are probably several reasons for this change including, possibly, our affluent life style. Affluence has brought conspicuous consumption into every facet of our lives, including hobbies. Thus, whether we have the latest and finest K4W and SS4R combination, or last years predecessor which had one more vacuum tube, might influence our position in the "pecking order".

But hams, in general, are individualistic types who don't consciously concern themselves with social "pecking orders" and conspicuous consumption; and it would appear, therefore, that other factors are involved. What might those factors be? Time? Material? Facilities? Ingenuity? Perseverance?

What about time?

No one will argue the fact that amateur transmitters and receivers of pre World War II were much simpler than their modern day counterparts and took less time to build. They were so simple, in fact, that one might "tear down to rebuild on one weekend and be back on the air with a brand new rig by the next week end. They were simple, not just in their circuitry, but also in their mechanical construction. They were often built on a pine board; and shielding, if required, was used to keep the bugs out rather than in. In those days more time was spent dreaming about the design than in actual construction.

In earlier days there were enough salvageable parts in an old broadcast receiver - available to the prospective home brewer for the asking - to build an excellent 25-watt transmitter and companion receiver. This was a typical rig - 100 watts was high power! Additionally, the radio parts emporiums were bulging with goodies directly applicable to amateur home brew projects. On the other hand, modern electronic equipment is so constructed that parts salvaging is almost impossible. And worse, the majority of surplus parts were designed for specific applications, generally precluding their use in amateur gear. That is not to say that new components are not available; however, the price in unit quantities desired for home brewing is often prohibitive,

What about facility

Probably the biggest factor marking the demise of the home brewing art is the lack of facility by most hams. When the chassis was a pine board, a few hand tools and the kitchen table for the workbench would suffice. Today, a reasonably well-equipped workshop is required. Sheet metal must be cut, bent, punched and drilled. Shafts and couplings must be turned. Special spacers must be made and unique mounting brackets fabricated. Shielding to keep the bugs in their place (and out of the neighbors TV set) now requires more work than the total construction effort in the days of the pine board. And it all takes facility. True, this work can be hired done; but if it is then paid for on a time and material basis, the price of store-bought gear starts to look mighty attractive in comparison.

What about ingenuity?

The proverbial "junk box" is the ham's stock room, and it goes without saying that a well-stocked junk box is essential to successful home brewing, but ingenuity is required to integrate those parts! An electronic design engineer working in an industrial laboratory has at his disposal an unlimited selection of parts. Thus, he can design a circuit on paper, compute optimum values, select and assemble the components and expect the assembly to work. (If he has slipped a decimal point and a change in a component value is required, the stock room probably has the required new component on the shelf.) With home brewing, it's different! The ham reaches into his junk box and pulls out the principal component around which he intends to build. It might be a transformer, a tube, a coil or condenser - generally a prized irreplaceable possession. He designs around this part, collecting and adding additional parts as the design progresses until, finally, he has collected what is required - or what he thinks is required. Next he works on the mechanical layout, checks the available chassis sizes, and selects one which most closely matches ha needs. Construction is about to begin.

At this stage of the project the home brewer may have second thoughts. The chassis will take a lot of work to punch and drill. That major irreplaceable part on which the design is based may be found to be unserviceable. (Instances have been known where the irreplaceable part was broken during the assembly process and the project had to be aborted.) Unlike professional design engineering in which a new design is iterated many times before it is finished, home brewing is a one-shot process. Besides, the cabinet required to give the home brewed equipment a finished touch is expensive; and a commercial kit, which includes a pre-punched chassis and a very professional looking cabinet, doesn't cost that much more. It takes perseverance to continue with the project.

What about perseverance?

Does the waning of the home brew art mean that amateurs as a class lack perseverance? We think not! The fact is that not all hams have the resources to collect and store the necessary parts; not all hams have the ingenuity to evolve the design; and not all hams have the facility to fabricate the assembly. Most important, not all hams can devote the necessary time to home brewing.

Home brewing requires perseverance, plus resource, plus ingenuity, plus facility, plus time!

Salute the home brewers in our ranks as they engage in the grass roots heritage of amateur radio.

They have perseverance plus.

About the author: *Mr. Whittaker KUØD returned to the air in the late '60s after being QRT for 22 years. In those 22 years, he found that amateur radio had changed; home brewing was a dying art and kit assembly was in vogue. While working in Montreal with ICAO, an agency of the United Nations, he was stirred to write "Home Brewing" in the mid 1970's. Not much has changed in 30 years, has it? - Editor*

Silent Keys

With sadness we record the passing of these members

NAME	CALL	MEMNUM	L	SK	CITY	ST
HAWORTH, DEAN	AC0S	19608		2001	GOLDEN	CO
GOURLEY, GENE C	K0YML	19700		2001	KANSAS CITY	MO
SMITH, XENOPHON P JR	W0CFY	29831		2001	GRAT BEND	KS
WARREN, D GEORGE	W0OJ	09716		2001	LITTLETON	CO
YAGI, TAROH	JH1WIX	08068		2001	TOKYO, JAPAN	
DE BENEDETTO, WILLIAM L	K1PVT	19665	*	2001	MADISON	CT
NICKERSON, HERBERT D	NS1P	26797		2001	WILMINGTON	MA
PEARCE, ALBERT E	W1AMP	24172		2001	EDGEWATER	FL
OEFINGER, HAWLEY C	W1GUP	03829		2001	STAMFORD	CT
GORDON, FRANK M	K2LOV	14529		2001	MORRIS PLAINS	NJ
POWELL, GERALD	W20JW	09410		2001	ORADELL	NJ
BROKAW, HORACE C	W2ACC	04566		2000	NESHANIC STATION	NJ
HOWELL, DONALD L	W2FIB	15427	*	2000	SEBRING	OH
COLBURN, EVERETT H	W2VYX	15016		2001	ILION	NY
MYERS, J AUGUSTUS	KA3YQD	25482		2000	DILLSBURG	PA
GIBSON, ALBERT E	W3ABN	00347	*	2001	YORK	PA
JONES, THOMAS W	W3BED	25153		2001	WAYNE	PA
KABROTH, GEORGE	W3PLI	10856		2000	MECHANICSBURG	PA
POHLMANN, ROBERT G	W3YMS	20905		2000	PARSONSBURG	MD
KIRBY, EDWARD H JR	W3YQJ	21008		2001	YORK	PA
HENDERSON, THOMAS A	K4CIH	20885		2001	TUSCALOOSA	AL
VAN LOAN,TED	K4WQ	05236	*	2000	BRADENTON	FL
SNYDER, ALLAN R	N4US	14802		2001	HUDSON	FL
DARKE, ROBERT S	W4MHF	21874		2000	MORGANTON	NC
LARGE, H LEE JR	W4NJJ	19436		2001	CHARLOTTE	NC
BROWN, NORMAN E	WA4MSV	30189		2001	CHESTER	SC
NAIL, GEORGE R	K5GSA	15485		2001	EL PASO	TX
RICHARDS, PHIL	K5INE	04627		2001	PORT NECHES	TX
WASHAUER, JAY M	K5KMI	19681		2001	BATON ROUGE	LA
STRICKER, E R DICK	NJ5S	29142		2001	ENID	OK
HOUSENFLUCK, THOMAS H	W5HYD	21849		2001	NEDERLAND	TX
BRUEMMER, FRANCES T	W5KQG	06648		2001	SAN ANTONIO	TX
GRUBBS, ROY J	W5RNA	16924		2001	SELMA	AL
DANSBY, W W	W5URI	16260	*	2001	FT WORTH	TX
JACKSON, WALTER L	W5ZYA	12107		2001	GRAND PRAIRIE	TX
KELSEY, LEWIS W	K6IIV	21609		2001	YUCCA VLLEY	CA
WULFF, EARL G JR	KA6D	12768		2001	REDDING	CA
WELLER, HARRY H	W6IP	05397		2001	LOMPOC	CA
ORR, WILLIAM I	W6SAI	04140		2001	MENLO PARK	CA
RICHARDSON, R B	W6WHM	04328	*	2001	MONTEREY PARK	CA
SPENCER, LEONARD A	WA6CBQ	20141		2001	SAN RAFAEL	CA
HUG, HARRIS C	K7CHG	21320		2001	KENT	WA
NEWMAN, DONALD P	W7CO	01743		2001	SEATTLE	WA
BAILIE, DUANE LAVERN	W7COD	29536		2001	WASHOUGAL	WA
BROUDY, JEROME G	W7DAD	09127		2001	NORMAN	OK
TAUSINGER, CHESTER	WA7WFU	23834		2000	HUNTINGTON	AR
BROWN, MICHAEL H	W8DJY	29739		2001	MIDDLETOWN	OH
KASSON, WILLIAM C	W8HRL	02597	*	1999	LINDEN	MI
KNAUS, WILLIAM H	WA8NPX	22757	*	2001	BEDFORD	OH
KOROUS, DONALD	K9EJC	20839		2001	SUN CITY	AZ
RICE, ED	W9NGP	16557		2000	OCONOMOWOC	WI
PURKEY, LEON S	W9OTZ	07648		2001	BEAUMONT	TX

Nostalgia and The Collins Expedition

Vidi la Grange, ZS6AL

PART 1

This story starts in the early days of a young ham in the late 1950's when, to get started in the hobby, one only had to pass a 12 w p m code test taken by the local postmaster. In those days a popular way of getting on the air with limited financial resources was by converting war surplus radios. Surplus military equipment could be found in abundance at the time at various outlets in the major cities for next to nothing. There were literally heaps of stuff to search through at your hearts content. Experts in converting surplus gear and help to convert what ever you may have acquired were just a matter of asking. Ideas to put these pieces of equipment to ham use were ingenious, like the Command receiver with plug in bank of coils at the bottom. The companion Command transmitters covering 3,5 to 4 MHz formed a highly stable VFO which could be doubled to the higher, harmonically related amateur bands.

One of my ham teachers of those days was Jack Snyman, ZS1OU of the Strand. Both he and his wife, Marge, ZS1RM, were very keen and good CW operators and they had a shack that was the envy of every ham that walked in, sporting a Collins S-line, the absolute ultimate in those days. From Stellenbosch, I could hear their signals on backscatter good enough to have many CW QSOs at times when DX was fading. Their style of code sending was outstanding in rhythm, clarity and readability. I always tried to emulate their perfection, even though only using converted surplus equipment, home made bug and a single feed line Windom wire antenna.

Now Vidi is the owner of the Collins gear he so much admired in his youth.

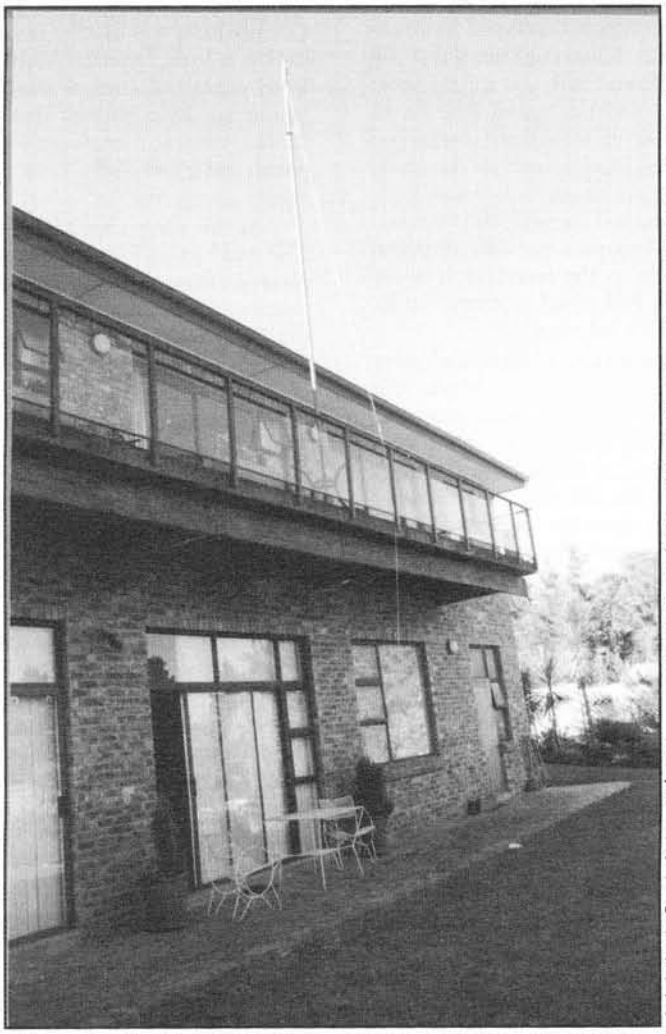
Whenever I visited Jack, his invitation to listen around a bit on the Collins was never declined and on more occasions than one I am sure my welcome must have been exceeded by far. The light amber backlit dials of the Collins transmitter and receiver had thin black lined fiduciaries that had to be carefully set up on each band, using the calibration oscillator. Turning the turning dials felt like stoking a piece of velvet. Audio coming from the oval loudspeaker in the matching power supply was crisp and fully rounded and the background noise was just a pleasant crackle, enough to remind one that the rig was alive. "This was what I wanted - - one day when I grow up." After finishing studies and leaving the area to take up a position in Johannesburg, contact with Jack over many years was maintained by regular CW chats and the occasional personal visit when an opportunity presented itself. But, as with all of us mortal beings, the years started to take it's toll and I sadly saw my friend and mentor fade due to terminal cancer. He had an exceptionally good memory and enjoyed recalling and talking about the good times he and Marge had on the air in great detail even at a late stage of his illness. Thanks to modern medication he never suffered so bad that he did not feel like operating his station. My last QSO with him was in June 1999 and my last personal visit to Jack was in March 2000. At that time he had the 75S-3 receiver and 32S-3 transmitter out of their cabinets and the cabinets neatly wrapped in plastic to preserve them. What is more, he believed that providing extra air circulation would prolong the life of the 26 odd tubes..... and of course to see them glow in the dark is something special. Unfortunately the chemotherapy and radiation treatment caused trembling of his hands and affected his CW sending to such an extent that it was difficult to recognize that once musical rhythm of his 30 wpm code. Spacing between letters and words became vague and at occasions anticipation had to be used to understand what he was trying to say. After several months of not hearing him on the air, news came about problems he had with the S-line. He was asking for help and needed rectifier tubes for the transmitter power supply. News also reached me that he had to have the power transformer rewound. Apparently he never managed to get the station back on the air before his key sadly became silent on the 5th of Aug 2000.

PART 2

Based on fond memories of Jack, the respect and admiration I had for him as a young ham and the dream station he had, I decided to make an offer for the now crippled Collins S-line. The offer was accepted by the family and plans had to be made to collect the equipment in Somerset West. As it happened, an opportunity to house sit for relatives in Somerset West suddenly appeared out of the blue and the Collins expedition was on. My wife Hester, ZS6ESU and I selected some very bare essentials for the expedition in the line of tools, including a soldering iron, multi meter and RF power meter so that we could set up a small workshop in the lower level of the large house we had to watch over for a month. I collected the 37-year-old station together with the 'instruction books which had fold out circuit diagrams of more than 1m long, falling apart in various places and held together with yellowing tape. The diagrams were speckled with hand written notes. Some were in pencil and others in red, blue and black ballpoint pen of voltages and resistance measurements. There were many circles drawn around suspect components with question marks and notes beside them. I realized that the thousands of hours on the air did not go by unnoticed by our friend 'wear and tear'. The emission switch on the transmitter was hard to turn and the front panel of both units had spots and blemishes but fortunately no scratches. The control knobs had faded yellowy index lines that used to be brilliant white and all the pilot lights were fused. The power supply had obviously been a major problem. There were no rectifier tubes and the wiring was very untidy and temporary. Jack obviously never got the rig back on the air after the transformer was rewound. This was the rig I once admired and now had to face the challenge of getting it to, or close

to the condition it used to be in.

The first step was to plug two octal tube bases fitted with 1N4007 diode strings into the 5R4 and 5U4 vacuum tube rectifier sockets. After carefully making all the interconnections between transmitter and receiver and making sure everything was intact, I nervously applied power via a 115v step down transformer. My efforts were saluted by a loud, crack as a flash over occurred somewhere underneath the supply. I could not tell exactly where the flash took place but the search was on. Suspect diode strings were replaced to no avail. I tried everything I could think of and quite a number of fuses bit the dust before concluding that there may have been a problem in the transformer-rewinding job. Talking to George, ZS1JD, who helped Jack in solving technical problems with his station, I found the workshop of the local transformer winder. There I learned that the original problem was due to the electrostatic shield, of which the ends touched, causing a perfect short-circuited single winding. This was rectified and the transformer re-installed. This, I heard later had to be done twice. However, I was shown the rewind order and was happy that it was done according to the original design. So, back to the fuse popping, arcing supply. Seeking advice on Internet I was given dozens of tips on what could cause the symptoms I had to deal with. This led to opening up the bleeder resistor compartment and finding an open circuit 11 watt 25000 ohm resistor. Fortunately there were some very helpful hams in the area that had limited spares of the right kind stashed away and I found what I needed. So, with high hopes, power was turned on but zap, another flash and a fuse gone. By this time I was ready to accept the S-line as a shack ornament and forget the rest, but my eye caught a spot under the chassis in the area of the 3 series connected high voltage filter capacitors where the flash over took place. The problem was simple to solve. All it needed was some insulation added to the clips that held the capacitors to the chassis. At last I could warm up the transmitter filaments for the first time and see if the station would work. First the receiver was turned on and every thing went well so far. The new pilot lights lit up the S-meter and frequency dial on the receiver and peaking the preselector produced that welcome background crackle which I knew meant business. It did not take long to hear a few local QSOs on 40m.



The vertical outside Vidi's shack will soon be replaced by a tower.

The transmitter was next and turning the power on, created a healthy thunk in the power supply as the power surged through. This time the power stayed on and no more sparks or fuses to add to the growing pile in the waste paper basket. This justified a deep sigh of relief. Tuning procedures were carried out according to the book and all of the meter readings behaved like the book said they should. I could measure about 80 watts going out to the portable G5RV in the garden as I dipped the plate current...on a clear frequency of course. My weekly CW sked with Gerald, ZS6IG, was the following morning and I was determined to use the Collins station for the first time for that sked. Gerald called on 7.005MHz exactly on time as usual and I eagerly replied. This was, however, a disaster and I was told the signal sounded 'fuggy' - what ever that meant. I knew there were more problems. My SSB sked with ZS1JH came up in the afternoon and he reported that the signal sounded real lousy due to hum and a frequency modulation effect. What was more, I had to shout in the mike to get any output at all. At this time I could once again picture the Collins in my shack as an ornament, a very special symbol of the good old days, but not working.

PART 3

Enthusiasm, however, soon took grip of George, ZS1JD and Jan, ZS1JH and they offered help and advice to try and solve the problems. Jan and Susan even made a special trip from Paarl for a day to assist. He brought along a few old, but 'tested', electrolytic capacitors he happened to have. One of them, a blue plastic coated device had voltage and capacity ratings that were suited for the power supply. While the wives chatted and prepared dinner upstairs, we started troubleshooting together, the one having brighter ideas than the other. At one stage Jan came up with the brilliant idea of increasing the DC voltage to the first microphone amplifier stage to get more audio amplification. Simply simply changing the choke input filter in the power supply to capacity input, he suggested, could do this. This would give poorer regulation, a trade off for higher operating voltage, which is what we needed. We carefully soldered the big blue electrolytic capacitor over the input filter of the low voltage supply and turned the power on. With that the fireworks started all over again. After blowing more fuses, the supply of which was now running out, I had to deal with a brand new problem. The final grid current somehow got reversed, the meter needle pinning the left hand mechanical stop. In a state of being baffled, puzzled and worried, I could hardly believe my ears when Jan politely and with a

→

naughty smile, announced, that it was time for them to leave. I objected profusely, but they had to go - he said. We saw him and Susan off and could hear his laughter over the drone of his green V8 Buick Rivera as they disappeared around the corner. He would never hear the end of this!

After a sleepless night I changed everything back to what it was and had to replace a final tube, which developed an internal short during the 'Jan experiment'. I also confirmed that the special big blue capacitor, brought from Paarl, was a dead short under operating voltage of 250 V DC but tested fine on an ohmmeter. I wanted to return it to its legitimate owner but decided it better join the bunch of blown fuses in the waste paper basket. I was now back to square one with low and lousy audio on SSB and, 'fuggy' CW. I started meticulously measuring voltages and resistances at tube base pins but they all tallied close enough with the values given in the instruction book. Swapping tubes with a bunch Jack had saved in empty coffee bottles also brought me no closer to a solution.

However, it was the same Jan who came to light with what led me to solving the hum problem on the audio. Maybe this earns a little forgiveness after the blue capacitor experiment of a few days before. It involved touching a capacitor, this time a real good one, one terminal grounded, to the positive terminals of electrolytic capacitors in the audio line. Electrolytics are known to dry out in time and loose their capacity. Improvement in audio quality when temporarily connecting capacity in parallel with a faulty one would be a quick way of identifying a faulty component. The culprit, a cathode bypass capacitor was quickly and positively identified as faulty. The search was on for a 8mfd 300v dc capacitor. George, ZS1JD came to the rescue and gave me a good, close enough value replacement. The hum was gone but the rig still had very little drive on SSB. The CW tone was clean but slightly chirpy. A careful look in the dark at the OA2 regulator tube while keying, showed that it did not light up under key down conditions. This meant that the operating voltage was too low for it to strike and it was therefore not regulating. A slightly lower value-feeding resistor rectified the problem and I could have a solid sked with Gerald the next week. No 'fuggyness' or other adversaries reported on the signal.

Leaving the problem of low SSB output for a later date, I took all the control knobs off and thoroughly cleaned them with Cleen Green and water. The front panel was put through the same process. A little white gloss enamel, a fine paintbrush and a steady hand was used to re paint the index lines on the control knobs. A little furniture oil brought back the silky luster to the front panel and control knobs, to a standard where an expert would not have guessed that the gear was 37 years old. Each band crystal was unplugged and carefully polished with metal polish and a soft cloth. They were shining bright after this treatment.

At this time, after filling a page in my log working DX on CW and having long rag chews with Roy, ZS6QU, the relatives returned from their trip and the workshop, portable G5RV antenna and Collins station had to be rolled up and prepared for the 2-day journey back to Three Rivers.

Home again and in the comfort of my own shack and workshop the search was on for the low drive on SSB, which appeared to have worsened. Signal tracing the audio from the microphone amplifier to the balanced modulator was the only way to go. Fortunately the 75S-3 receiver has a CW monitor input connector, which is nothing more than an input to the audio amplifier stage. This was perfect for signal tracing audio from the microphone amplifier all the way to the balanced modulator. The culprit showed up as yet another dried up electrolytic coupling capacitor feeding the balanced modulator. Replacing it with what I had available gave me full output at normal voice level and the mic gain at no more than 12 o-clock position.

The S-line expedition was successfully concluded and I am proud of a vintage station that sounds no different from state of the art gear and looks like it could not possibly be older than about one year! As Marge put it when we went to greet her in the frail care center she is in at the moment: "Jack would have loved this story".

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POSTCARDS FROM BEYOND

Little Ferry, NJ.., March 2001 —Since early in the last century, amateur radio operators have observed a tradition of exchanging postal cards to commemorate their on-the-air contacts. So-called QSL cards (named for the International Morse Code signal for 'confirmation') are used as proof of successful radio contact with stations in rare and distant locations. Many operators in exotic lands employ the services of a QSL manager to distribute their much sought after cards. Now, as the world's radio hams prepare for the eventual reception of signals from civilizations in space, the question arises as to how those succeeding at the Search for Extraterrestrial Intelligence (SETI) will ever receive a QSL card.

The SETI League, Inc., a grass roots, international body of radio hobbyists trying to accomplish the ultimate in long-distance communication, is pleased to announce that it will henceforth serve as QSL Manager for ET! In fact, to encourage amateur participation in the growing fields of radio astronomy and SETI, they are offering special cards to commemorate confirmed reception of a variety of extra-terrestrial signals: manmade, natural, and even alien.

The Officieal SETI League QSL Card

Any SETI enthusiast documenting radio reception of an artificial satellite, manned or unmanned space probe, natural astrophysical phenomenon, or Earth transmission bounced off the moon or another planet, is eligible to apply for a QSL Card from The SETI League, Inc. Reception must have been accomplished with equipment normally used for, or capable of being used for, radio astronomy. "Many amateurs have the capability to receive such signals," says SETI League executive director Dr. H. Paul Shuch, who is licensed as amateur radio operator N6TX. "We expect to send out many such cards. But the holy grail of SETI is a verified transmission from our cosmic companions. That QSL will be a rare one, but we stand ready to send it out when The Call is confirmed."

Amateur radio astronomers seeking a QSL card should send reception reports (including date, time, frequency, coordinates, nature and origin of signal) to SETI League headquarters, along with a stamped, self-addressed business size envelope. Please state whether the signal received was natural, manmade, or alien (and be prepared to justify any claims of the latter). QSL requests from outside the US should include two International Reply Coupons.

SETI scientists seek to determine through microwave and optical measurements whether humankind is alone in the universe. Since Congress terminated NASA's SETI funding in 1993, The SETI League and other scientific groups have been attempting to privatize the research. Experimenters interested in participating in the search for intelligent alien life, or citizens wishing to help support it, should visit us on the Web at <http://www.setileague.org/>, email to join@setileague.org, send a fax to 1 (201) 641-1771, or contact The SETI League, Inc. membership hotline at 1 (800) TAU-SETI. Be sure to provide us with a postal address to which we will mail further information. The SETI League, Inc. is a membership-supported, non-profit [501(c)(3)], educational and scientific corporation dedicated to the electromagnetic Search for Extra-Terrestrial Intelligence.

SETI League Press Release #01-03

WANTED - Information on Robert L. Drake

Recently, Laura Drake, the granddaughter of Robert L. Drake, contacted the Editor. She is compiling a history of her grandfather and his contributions to radio for a book she is writing. I told her that it is possible that some of our QCWA members may have known him personally or even worked with him.

If any of you have ANY information on Mr. Drake, personal anecdotal information, stories you know to be true or even know someone, who knew someone, that knew Robert L. Drake; please pass the information on to:

Laura M. Drake
8 E. Park Ave.
Lebanon, Ohio 45036
Or e-mail her at: marthel@go-concepts.com

KANS

"KANS Atop Hotel Lassen, Wichita"

By: Robert M. Crotinger, 621 W. Paseo Norteno, Tucson, AZ 85704-4640

Prior to graduation from High School in Iowa (May, 1943) I volunteered for the Coast Guard. At that time, and at age 18, I had a commercial radio license and was an avid radio "ham". For this I obtained an authorization from the Coast Guard for induction into that service as a radio operator. I passed the Coast Guard physical, but was then rejected by the induction center because of a rapid heart.

Finding myself back on the farm, and having been told that the military would take me after women and children, the door was now open for me to enter that most fascinating of occupations, radio broadcasting. I started writing letters and soon had a job with KANS in Wichita, Kansas as a "transmitter/control operator".

Arriving in Wichita during the heat of the summer, my first mistake was in renting a room on North Topeka Street across from a bar. After a month of listening to "pistol packin, mamma" from their jukebox, I moved to another rooming house. I was taking a correspondence course from Nilson Radio School and needed to be able to concentrate.

KANS Christmas Party 1943 in the main studio. The soon-to-be youngish Chief Engineer (Bob) is seated to the left of the lady in the back row. Isn't it interesting that all the men wore a suit and tie?

The room cost me $5.00 per week and I ate all meals in restaurants. There was a diner a couple blocks away that served a chicken fried steak dinner with mashed potatoes, peas or corn, a large roll with honey, cole slaw, and the coffee was included. The price was thirty-five cents. I actually was doing quite well, since my base pay was $35.00 for 40 hours and I usually got five or six hours overtime at time and a half.

KANS was located on the top floor of the Lassen Hotel, in downtown Wichita. On the roof was a 180-foot LeHigh tower. In the control room the 250 watt transmitter and two 6 foot racks of equipment were directly behind the operator, to his left were two turntables and in front of him the console with all the switches and controls for creating the programming. The announce booth was off to the right and the announcer did nothing but announce. The operator looked through a large window into the main studio in which Charlie Butcher and the KANS orchestra played for our one hour-long morning studio show.

The other two stations in Wichita were both 5000 watts—we were only 250—but we had NBC. Remember that there was no television - radio had it all. People gathered around their radio every night to listen to Fibber McGee and Molly, Red Skelton, Fred Allen, Bob Hope, etc. In the afternoons the airwaves were filled with Backstage Wife, Just Plain Bill, and Ma Perkins. KANS, with its local coverage, the NBC network, and the able management of Jack Todd was a tremendous success.

The chief engineer was a man named Chuck Lucy. Chuck had been a victim of polio and his withered left arm hung useless at his side. However, chuck was a very good control operator and had a "feel" for a good show. Like me, radio was his life and I was very fortunate to have Chuck Lucy as my first boss—he was a great guy.

Sports on KANS was the domain of Vic Rugh, and I accompanied him, as engineer, on many events taking place outside the studio. One of these was the weekly wrestling from the Wichita Forum. I recall that one of the villainous pugilists used to pin his opponent to the mat and then take his false teeth out and rake them across the guy's back. One night his opponent flipped him and the teeth went flying over our heads and into the audience. Years later, and thousands of miles away, I would find myself televising this sort of thing.

I was delighted with my new job and the financial stability it provided enabled me to marry my High School girl friend, Henrietta. We bought a 2-bedroom house with detached garage on the northern outskirts of the city. The total price was $2,700 and it had a FHA loan payable at $20 per month. I made the $700 down payment and sparsely furnished the place by selling my 1930 Model A for $250, using all I had saved as a kid selling tomatoes along highway 92 west of Sigourney, and all I had saved working the first 6 months at KANS. A couple years later we sold the place for $3,000 and bought a much nicer one in west Wichita for about $4,000. Take note Baby Boomers, that's the way prices were in the early forties.

The next notable event happened about 3 months after I got married; Chuck Lucy took a job with Boeing Aircraft. This left me as the chief, and only full-time, engineer. I practically lived at the station for about a month until we found somebody. In any event, I found myself to be chief engineer of a radio station at age 18. I had finished the Nilson Radio School correspondence course. At that time there were no colleges or private schools teaching broadcasting. Everybody in radio was a radio "ham" or had taken a correspondence course, some not even that. The only college degree that came close to being appropriate was a Bachelor of Science in Electrical Engineering and I only knew of one person who had one. So I enrolled for the best correspondence course from Capitol Radio Engineering Institute.

In the early forties the tape recorder had not yet been invented, so when it was necessary to delay a broadcast the only way it could be done was to make a disk recording. This was done on 16-inch blanks with an overhead lathe supporting a sapphire cutting needle driven by an electromagnetic transducer. The record revolved at 33 1/3 RPM and one side would hold 15 minutes of programming, so by using two of these you could go back and forth between them

and record hours if necessary. We also had a portable one and used it to record the annual convention of the "Society for the Preservation and Encouragement of Barber Shop Singing in America, Inc.". This took place at the Broadview Hotel a few blocks west of the Lassen, right along the Big Ark River.

The 180-foot tower on top of the Lassen was positive proof that lightning "often strikes in the same place", like a couple times every year. One day in 1945 it hit the tower and totally demolished the tuning unit at the base of the tower. I "haywired" the thing back together and got back on the air, but only with a little over a hundred watts. The next few days I managed to scrounge up enough parts, and using my CREI lessons, built a new tuning unit and got us up to full power. After heaving a sigh of relief, a few days later I got an "Advisory Notice of Unsatisfactory Condition" from the FCC in Grand Island, Nebr. They were receiving our 2nd and 3rd harmonics (frequencies two and three times our assigned frequency of 1240 Kilocycles). Over the next week I redesigned the network to specifically tune out these frequencies and spent several nights under the tower tuning it to make sure they were gone. I was now happy, the boss was happy, and the FCC was happy.

But alas, one person wasn't very happy, namely Henrietta. So, after making it through 3 years of marriage I was now confronted with a divorce. Henrietta never did like the "big city" and longed to be back on the farm kicking cow puckies around. She divorced me on the grounds of neglect and went back to Iowa. She was probably right because I spent most of my time at the station, with my head in a CREI lesson, or later down in the basement with my ham station, WØGUY. Henrietta was a nice girl and I am pleased to report that she did find a nice farm boy to marry and she spent the rest of her life among the cows, chickens and pigs. I continued with my obsessions.

Until the end of WW2 KANS had been owned by Herb Hollister, who lived in Boulder, Colo. and also owned the Hollister Crystal Co., which manufactured frequency-control crystals for the military. After the war he sold KANS to a Texas concern and I recall reading that the amount paid for KANS was the largest ever paid for a 250-watt station at that time.

The new owner built new studios in a three-story building at 1015 North Broadway, plus going to 5000 watts, in anticipation of the future of "Big Radio". In that day many believed the "heyday" of radio would continue and that television was no real threat to radio.

Fortunately, I had become fascinated with the latest CREI course on television broadcasting, and through their placement service I obtained a position on the engineering staff of "soon to be constructed" WHIO-TV in Dayton, Ohio.

However, before leaving Wichita and KANS another very important thing happened to me. One day, a very pretty girl of Latin descent, and wearing a white nurse's uniform stopped by for a tour of the station. I gave her the tour, and with her brown eyes and sharp, witty manner I was a goner. We married and in the spring of 1948 loaded up a 2-wheel trailer behind our 1941 Buick Super (it never passed a filling station) and headed for "soon to be built" WHIO-TV in Dayton, Ohio. At that time Pearl was carrying "soon to be born" Florence Christina.

The people I worked with at KANS were the finest group of people I ever was to meet, and I would like to extend my gratitude to: Jack Todd, Vic Rugh, Bob Drake, Tom Leahy, Walt Blake, Ted Heithecker, Bernice Schreck, Wayne Shull, and Paul Wilson. Those were great days at "KANS, Atop Hotel Lassen, Wichita".

About the author

Bob Crotinger (75) is retired and lives at 621 W. Paseo Norteno, Tucson, AZ. After KANS, he spent 9 years with WHIO-TV in Dayton, Ohio; followed by 25 years with KFMB-TV in San Diego. After retiring for a year at the age of 57, he returned to San Diego and spent 10-1/2 years with the Communications Division of the County of San Diego.

He continued his education in radio/electronics earning two Junior College degrees and a Bachelor of Science in Electronics Engineering.

Still an active radio "ham" (K6PC) he can be found on 7224 kHz the first Monday of each month at 3 PM, Pacific Time.

His wife, Pearl, passed away in 1962 and he never remarried.

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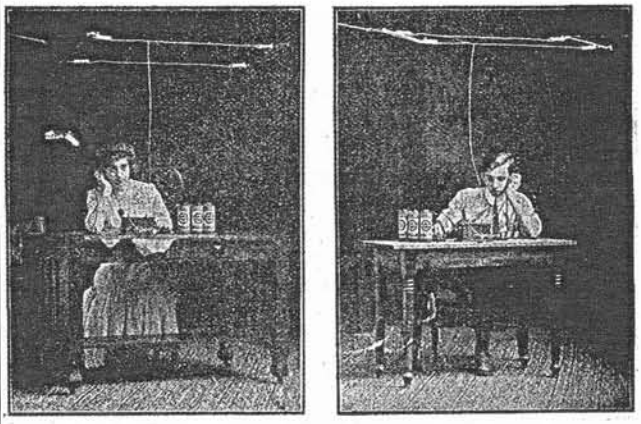

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01/01/2001	30718	RAPP, DELBERT NEIL	WB9VPG	EVANSVILLE	IN	-	-
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01/02/2001	30721	GORDON, JIM	W9GL	MONROE	WI	-	-
01/02/2001	30722	HICKS, HAMILTON E JR	KB4BR	WILMINGTON	NC	-	-
01/21/2001	30723	MORRIS, JAMES THOMAS	WA6KGB	RENO	NV	-	-
01/02/2001	30724	PALEY, MARK	KF8KL	BOWLING GREEN	OH	-	-
01/03/2001	30725	WINGARD, JOHN W	WB4GLJ	COLUMBUS	GA	-	-
01/04/2001	30726	WALKER, ALLEN E	AC5ZQ	GILMER	TX	-	-
01/05/2001	30727	BEAL, LAWRENCE P	WB5SUZ	OSTEEN	FL	-	-
01/05/2001	30728	COLLINS, ROBERT L	AC5VC	ALLBUQUERQUE	NM	NORMAN M WILSON	W5FLO
01/05/2001	30729	TREUBIG, AUGUST	AG5AT	PONCHATOULA	LA	-	-
01/05/2001	30730	TURNBULL, KENNETH W	VE7CJF	DELTA	BC	-	-
01/08/2001	30731	BERINGER, PAUL	W7EAI	SEATTLE	WA	-	-
01/08/2001	30732	HORWITZ, JOSHUA	W1DCB	MAGNOLIA	MA	ED GUSTAT	W1FBI
01/08/2001	30733	MONTOYA, AL D	WB6IMX	MENLO PARK	CA	-	-
01/09/2001	30734	ANDERSON, KENNETH E	W0ETT	PARKER	CO	-	-
01/09/2001	30735	MACKENZIE, FRANKLIN F	W4UCI	SCOTTSDALE	AZ	-	-
01/09/2001	30736	REIFSNIDER, CHARLES J	WB5AYW	LAEK CHARLES	LA	F L ANDERSON	K4EBK
01/10/2001	30737	SMALL, HARRIS	W2IJO	SEAFORD	NY	MARTIN P MILLER	NN2C
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01/11/2001	30739	WOODARD, LEO J	WD8DCA	FREMONT	MI	BEVERLEY STONER	K8ZJU
01/12/2001	30740	CHAFIN, RAYMOND K	WB0NGN	ST LOUIS	MO	RUSSELL POE	WA0RWF
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01/17/2001	30751	BOURGOIS, GARY	WB8EOH	MARQUETTE	MI	GARY HAARRISON	K0BC
01/18/2001	30752	BANTA, DON	W5RL	SPRINGDALE	AR	-	-
01/18/2001	30753	SUTTER, HARRY LE ROY	WA4MHP	SHERIDAN	IL	HARRY J DANNALS	W2HD
01/19/2001	30754	BAKER, KEITH C	KB1SF	XENIA	OH	GERD SCHRICK	WB8IFM
01/19/2001	30755	BROWN, RICHARD A	WB0SIM	LAWRENCE	KS	-	-
01/19/2001	30756	HALLSTROM, NILS A	W7RUJ	SEATAC	WA	HARRY LEWIS	W7JWJ
01/19/2001	30757	LOGAN, DEVERE E	W1HEO	MENTOR	OH	JAMES H CAPPS	W8AEB
01/19/2001	30758	PHELPS, CHARLES E	WA8UCS	METAMORE	MI	BOB ERSKINE	W8RAE
01/19/2001	30759	VAN FOSSEN, ROBERT P	K4DJG	VERONA	VA	-	-
01/22/2001	30760	BRUCE, ROBERT	VE6AOS	COLLEGE HEIGHTS	AB	BRUCE COLLISSON	VE6BAC
01/22/2001	30761	DIEHM, JOSHUA M III	KA9LYH	PORTAGE	WI	RON YOKES	W9BK
01/22/2001	30762	ERICKSON, RONALD D	K0IC	ESSEX	IA	-	-
01/23/2001	30763	FRENCH, WILLIAM A	W1JLK	SEBRING	FL	ED YODER	W3YMB
01/23/2001	30764	UNGER, DALE M	WB3BEF	YORK	PA	DAVID N ECKMAN	WA3YVR
01/24/2001	30765	GRANT, GARY F	K7VY	RENO	NV	-	-
01/31/2001	30766	HARRIS, FRANK C	WA4PAM	CLEWISTON	FL	TAD BURIK	WA8PXL
01/25/2001	30767	LINKE, MARTIN	WD9ABG	CHICAGO	IL	DAVID K BRADLEY	W6CUB
01/25/2001	30768	JUETTEN, PAUL JOHN	K0EVI	MINNEAPOLIS	MN	-	-
01/26/2001	30769	MARTIN, WILLIAM A	KD7JBF	FLORENCE	OR	PHIL ENSMINGER	K7DOE
01/26/2001	30770	MEDENDORP, NORMAN K	K8UA	MUSKEGON	MI	ELMER L WOOD	K8ROH
01/29/2001	30771	COULTER, JAMES E	W8EGR	HOLLAND	MI	-	-
01/29/2001	30772	FRANKE, GILBERT A	WB5RFQ	BISHOP	TX	JOHN W DORSEY	W5LWR
01/29/2001	30773	BRAND, JOHN D	K6WC	WILLITS	CA	-	-

01/29/2001	30774	KING, WILFORD E	KB9VUR	EVERTON	MO	DANIEL COPELAND	N0DT
01/29/2001	30775	FETTER, STEPHEN M	WA8UEG	CARMEL	IN	RICHARD HARLEN	KF9GS
01/29/2001	30776	MATE, ROBERT C	AA8BV	N OLMSTED	OH	ROCKY ZIMMERMAN	W8UYN
01/29/2001	30777	SCHOLES, BRUCE	WA6BYY	SAN BERNARDINO	CA	-	-
01/29/2001	30778	URQUIOLA, PHILIP B	K0DAT	HALLSVILLE	MO	-	-
01/29/2001	30779	VANDERLAAN, WILLIAM	KG4R	AMHERST	VA	-	-
01/30/2001	30780	SPADA, CRAIG A	WA2TWF	BEACHWOOD	OH	ROCKY ZIMMERMAN	W8UYN
01/31/2001	30781	BRUGGEMANN, WILLIAM F	WA4EQG	EVANS	GA	JOSEPH R GOOD JR	W4HRR
01/31/2001	30782	HOLTMAN, H BERNARD	W4GO	VENICE	FL	CROFT TAYLOR	VE3CT
01/31/2001	30783	JOHNSON, DENNIS J	N0WA	DES MOINES	IA	-	-
01/31/2001	30784	SZCZESNIAK, WALDEMAR	VE3CZK	TORONTO	ON	-	-
02/01/2001	30785	SHORT, ROBERT G	W0PJK	COTTONWOOD	AZ	-	-
02/01/2001	30786	WHITHAM, DAVID	K9DQ	FRANKSVILLE	WI	-	-
02/02/2001	30787	BARTELLO, TOM	VE3ELM	CARP	ON	JOAN POWELL	VE3ZC
02/02/2001	30788	COLE, FORD	W8FC	ORAIN	OH	ROCKY ZIMMERMAN	W8UYN
02/02/2001	30789	COLE, NADYA	WD8AQH	LORAIN	OH	ROCKY ZIMMERMAN	W8UYN
02/05/2001	30790	FISHER, PAUL A	K2ABX	APALACHIN	NY	-	-
02/07/2001	30791	LOUDA, CHUCK	AA5E	MARTINEZ	CA	-	-
02/07/2001	30792	MARCHAND, ROBERT H	K6HQL	SAN FRANCISCO	CA	JOHN E MULLEN	K6CBL
02/07/2001	30793	SCHAUMLEFFEL, ROBERT W	WA2IKS	OLEAN	NY	-	-
02/08/2001	30794	GRAY, JOHN E	AE4DB	WOODBRIDGE	VA	JOYCE ANDERSON	K4EER
02/08/2001	30795	LEMANEK, ROBERT J	K8HVG	ALLEN PARK	MI	-	-
02/08/2001	30796	MICHER, RICHARD W	W6RWM	CUPERTINO	CA	-	-
02/08/2001	30797	RIGGS, ROBERT	WA6QJR	PACIFIC PALISADES	CA	-	-
02/08/2001	30798	SHAPPEE, CLYDE R	KA1CRV	WALPOLE	MA	RICHARD M SHAPPEE	WA5HQJ
02/09/2001	30799	MODESTE, RONALD L	W3ZS	ORLANDO	FL	-	-
02/09/2001	30800	JOLLY, JAMES A	W6RWI	FAIR OAKS	CA	ALAN PICKERING	KJ9N
02/09/2001	30801	JOLLY, ROSE	W6QPV	RAIR OAKS	CA	ALAN PICKERING	KJ9N
02/09/2001	30802	ABBOTT, DOUGLAS	NS1A	FORT LAUDERDALE	FL	MIAMI	
02/12/2001	30803	TEPPERMAN, BARRY STEVEN	AC4US	CLEMENTS	CA	-	-
02/12/2001	30804	STEWART, BILLY E	WA4PVI	SALISBURY	NC	-	-
02/13/2001	30805	ALBERT, WINTON	W0VQ	ARNOLD	MO	KENNETH D SCOTT	W9VHL
02/13/2001	30806	CASSEL, ALAN	N0AL	CHESTERFIELD	MO	KENNETH D SCOTT	W9VHL
02/13/2001	30807	MC INERNEY, ROBERT	WA9PLT	CHATHAM	IL	KENNETH D SCOTT	W9VHL
02/13/2001	30808	MYERS, FRANK	K0FM	ST LOUIS	MO	KENNETH D SCOTT	W9VHL
02/13/2001	30809	GIRARDI, THOMAS S	WA1YNU	BARRE	VT	-	-
02/13/2001	30810	ROUSE, WILLIAM LOWRY JR	KM4Z	LAWRENCEVILLE	GA	-	-
02/13/2001	30811	SCHREINER, WILLIAM J	K0VI	COLOME	SD	-	-
02/13/2001	30812	WARNER, JOHN F JR	K3EGR	AYDEN	NC	-	-
02/14/2001	30813	PIKARSKY, S M	N4EVB	HOMESTEAD	FL	MIAMI	
02/14/2001	30814	CONNELLY, WILLIAM B	W3MJ	EAST STROUDSBURG	PA	MIAMI	
02/14/2001	30815	EWALD, STEVE	WV1X	NEWINGTON	CT	MIAMI	
02/14/2001	30816	FLAPAN, ALBERT	KN4FA	LAUDERHILL	FL	MIAMI	
02/14/2001	30817	HOPKIN, JOHN R JR	WBRBND	MIAMI	FL	MIAMI	
02/14/2001	30818	KENNY, EDWARD C	WB4GQI	MIAMI	FL	MIAMI	
02/14/2001	30819	ROSEN, BRUCE	W3RC	WILFORD	PA	MIAMI	
02/15/2001	30820	CRASWELL, JAMES JAY	W0VNE	PRIOR LAKE	MN	ROBERT E WESSLUND	W0AUS
02/15/2001	30821	TOMAZZONI, MAURO	K7QB	ROVERETO, ITALY		ORLANDO	
02/15/2001	30822	WILBANKS, JAMES B	KA6R	SEBRING	FL	ORLANDO	
02/15/2001	30823	WILLIAMS, CLARENCE V	KD4IPN	FT WHITE	FL	ORLANDO	
02/15/2001	30824	COBB, DANA G	K1RQ	RAYMOND	ME	ORLANDO	
02/27/2001	30825	CRUZ, GARY G	WE2X	TOMS RIVER	NJ	MICHAEL S DI PERSIO	KC2Q
02/27/2001	30826	EWELL, GERALD L SR	N4GE	MANCHESTER	TN	CHARLES E MEADOWS	WB6AWK
02/27/2001	30827	HIGGINS, ROBERT	K4KJV	ORLANDO	FL	PAUL TURNER	W1DLP
02/27/2001	30828	JOHNSON, MARK	W3ZI	ASHBURN	VA	-	-
02/27/2001	30829	LANE, HARRY A	K3HAL	WILMINGTON	DE	-	-
02/27/2001	30830	LEE, BOB W	K0ZQT	OMAHA	NE	DON PERAZZO	W0YQY
02/27/2001	30831	MINNON, RODNEY	W6DP	MOUNTAIN VIEW	CA	-	-
02/27/2001	30832	NIELSEN, ALAN H	K2GRO	PISGAH FOREST	NC	DUKE KNIEF	W4DK
02/28/2001	30833	NOLAN, MICHAEL	KD5MLD	BATON ROUGE	LA	DOUGLAS HARRISON	WB5BLE
02/28/2001	30834	ROARK, PHILLIP L	K4WFO	SALEM	VA	LELAND W SMITH JR	W4YE
02/28/2001	30835	ROWE, SAMUEL	KG9NG	MADISON	WI	ERNIE SWANSON	K9LO
02/28/2001	30836	SHIELDS, GUY J	W4GBU	STONE MOUNTAIN	GA	BOB LEAR	K4SZ
02/28/2001	30837	GERWER, VERNON	W6LDY	PLACERVILLE	CA	TAD BURIK	WA8PXL
02/28/2001	30838	FITE, CHRISTOPHER B	AC5R	TAYLORS	SC	-	-

02/28/2001	30839	KERN, DANIEL	W6FDO	CASTROVILLE	CA	PHIL KELLEN	K6CJ
02/28/2001	30840	WRAY, JOHN L	KM6GE	SAN CARLOS	CA	PHIL KELLEN	K6CJ
02/28/2001	30841	GOLDBERG, S MIKE	K1LJN	CHELMSFORD	MA	BOB WALLACE	W1HH
03/01/2001	30842	ALLISON, MAC	WB7OKL	EUGENE	OR	-	-
03/01/2001	30843	TOWLE, STANLEY	WA6ZGI	MENLO PARK	CA	-	-
03/01/2001	30844	BELT, JAMES R	K7JIH	PORTLAND	OR	-	-
03/05/2001	30845	NELLANS, ROBERT J	K9DE	ARGOS	IN	-	-
03/05/2001	30846	BALZER, RANDY	W0GT	WEST BURLINGTON	IA	LARRY WACHA	K0EDO
03/05/2001	30847	BINTLIFF, RAYMOND P	W1RY	ACTON	MA	CHAARLES LUKAS	W1DOH
03/05/2001	30848	COOK, GLENN W	W2TNG	LADY LAKE	FL	BYRON W ENGEN	W0EBA
03/05/2001	30849	FREEMAN, FRED E	WD5KAG	TULSA	OK	-	-
03/05/2001	30850	MORRIS, JOHN R	WB0WSG	SALINA	KS	DONALD FITZGERALD	KA0EIC
03/15/2001	30851	RUTH, DANIEL T	W3ZF	ALLENTOWN	PA	RAY BILGER	W3TDF
03/05/2001	30852	BROCK, LYLE	VE7YE	LANGLEY	BC	BILL WILLIAMS	VE7BW
03/07/2001	30853	ROSS, GARY D SR	W7SMA	CODY	WY	-	-
03/08/1901	30854	BROSAMLE, THOMAS E	WB0YNX	SIOUX CITY	IA	JOHN MC KINNEY	W0AP
03/09/2001	30855	WALTERS, MARSHA M	KA7SDV	EUGENE	OR	-	-
03/09/2001	30856	WALTERS, ROBERT L JR	KA7SDW	EUGENE	OR	-	-
03/09/2001	30857	GOINS, WILLIAM MICHAEL	WB5YJX	WALLIS	TX	HENRY SCHNEIDER	W5HNS
03/09/2001	30858	HARRIS, GLENDON A	WA2TPL	NEPTUNE CITY	NJ	-	-
03/09/2001	30859	KELLOW, ROBERT S	W5LT	RICHARDSON	TX	-	-
03/09/2001	30860	PETERSON, GARY	K0CX	RAPID CITY	SD	JOHN MC KINNEY	W0AP
03/12/2001	30861	BARNES, RAY	AB5Z	LONGDALE	OK	GENE NAILON	K5DLE
03/12/2001	30862	DAHL, KENNETH A	K7TAG	TUMWATER	WA	-	-
03/12/2001	30863	SEXTON, MITCHELL V	K4MRE	FORST HOME	AL	-	-
03/12/2001	30864	GRUND, JUERGEN	DF8GW	GERMANY		WERNER LEMBCKE	DL1ZC
03/12/2001	30865	LUSMOELLER, UWE	DL6YBY	GERMANY		WERNER LEMBCKE	DL1ZC
03/13/2001	30866	BREUNING, CHERYL A	WA1WEY	NEWPORT	NH	HAROLD CHASE	W1EES
03/13/2001	30867	FREITAS, NORMAN C	KH6BGV	PEARL CITY	HI	-	-
03/14/2001	30868	HOPKINS, JOSEPH	VE7BYF	SUMAS	WA	-	-
03/14/2001	30869	BELLAR, KIRK	N7UK	SHORELINE	WA	HARRY LEWIS	W7JWJ
03/14/2001	30870	HUBER, STANLEY J	W7NOI	LAKE OSWEGO	OR	-	-
03/14/2001	30871	LUNDGREN, CARL W	W2AZQ	COLTS NECK	NJ	-	-
03/15/2001	30872	DOLVA, VINCENT A	W0GP	HAWLEY	MN	-	-
03/15/2001	30873	GIBSON, WILLIAM A	KD4FI	FRANKLIN	NC	JAY STROM	W3XQ
03/16/2001	30874	BRADFIELD, BRAD	W5CGH	CORINTH	TX	-	-
03/16/2001	30875	KARL, EDWIN	K0KL	SAN RAFAEL	CA	-	-
03/16/2001	30876	RICHEY, JAMES L	WA4URR	ALEXANDRIA	VA	RAY C H JOHNSON	K5RJ
03/19/2001	30877	GREENBURY, RICHARD F	K0RG	ST LOUI	MO	CHARLES J NAGEL	K0CW
03/19/2001	30878	MEHRING, LAWRENCE	W9FJW	BRADENTON	FL	LEW MERRILL	N4LD
03/19/2001	30879	MILLER, HARLAN S	K1TT	MONETA	VA	LELAND W SMITH JR	W4YE
03/19/2001	30880	PARTIN, CLAY	W7CP	ROANOKE	VA	LELAND W SMITH JR	W4YE
03/19/2001	30881	DEL GIUDICE, VINCENT	WB2KQG	ARLINGTON	VA	-	-
03/19/2001	30882	ORZECH, SCOTT J	NV5T	SAN ANGELO	TX	-	-
03/19/2001	30883	RUSSELL, BENJAMIN J	N6SL	MANDEVILLE	LA	JOHN MC KINNEY	W0AP
03/19/2001	30884	HAYES, VERN	W0CYF	ST LOUIS	MO	KENNETH D SCOTT	W9VHL
03/19/2001	30885	MACKE, EDWARD R	WB9RJQ	MUNDELEIN	IL	-	-
03/21/2001	30886	KELLEY, ROBERT M	KC8MOD	KETTERING	OH	KEITH BAKER	KB1SF
03/22/2001	30887	DUNGAN, RICHARD W	K8QL	XENIA	OH	-	-
03/22/2001	30888	WALTON, RICHARD E	W7XT	MISSOULA	MT	-	-
03/23/2001	30889	DRAHEIM, NANCY K	NK4U	KENNESAW	GA	-	-
03/23/2001	30890	GOCHIN, MANUEL	K3NCB	LAKELAND	FL	WALT FARLEY	K4QE
03/23/2001	30891	MIRELES, MARK	AD5CA	CORPUS CHRISTI	TX	-	-
03/23/2001	30892	O'CONNELL, JOSEPH J.	W7KQU	EDMONDS	WA	-	-
03/23/2001	30893	SIXT, GARY E	KB2AK	MACHIAS	NY	-	-
03/26/2001	30894	JOHNSON, BRAD	AA5CH	CLARKSVILLE	AR	-	-
03/26/2001	30895	DEEM, DAVID A	K3NGN	PHOENIXVILLE	PA	PHIL BURNHAM	W3GNG
03/26/2001	30896	LATAWIEC, CHESTER	VE3CFK	SARNIA	ON	-	-
03/26/2001	30897	PAYNE, ARTHUR D	VE3GNF	SARNIA	ON	-	-
03/26/2001	30898	SCHWARTZ, ROBERT C	KT0T	BLOOMINGTON	MN	-	-
03/29/2001	30899	DRESSLER, GERALD W	WD9ARS	EVANSTON	IL	-	-
03/29/2001	30900	LIDDELL, T J	K9TJL	CARTERVILLE	IL	-	-
03/29/2001	30901	TURNER, WILLIAM N	W4WNT	WEDDINGTON	NC	JOHN COVINGTON	W4CC
03/30/2001	30902	ALMQUIST, DOUGLAS E	WB8VOF	WELLSTON	MI	-	-
03/30/2001	30903	STORM, DAVID L	KR4VP	BATON ROUGE	LA	-	-

MEMORIES
AMATEUR "HAM" RADIO

By Floyd Riemenschneider
6 North 6th Street #806
Yakima, Wa. 98901

Dit dah, dit dah, what a sound, what memories. More about these sounds. In 1925, in the seventh grade, another school chum and I learned the Morse Code. We strung some bell wire across the street intersection between our homes and each of us, using a doorbell buzzer and a key made from an old corset stay, started sending messages to each other using a large Hot-Shot dry cell battery for power. This continued for quite some time until my folks moved to Toledo, Washington where my Father was employed and I was a Junior in high school.

While I was a high school student in 1928, I became interested in the elements of radio, as it was such a new medium for me. A friend got me interested in building my first radio, a one tube receiver using a 101-A vacuum tube. It was built breadboard style but with a front panel made from part of the case of an old car battery. It had a vario-coupler tuner, and used a 6 volt car "A" battery, 22.5 volt dry "B" battery, and a dry 4.5 volt "c" battery. I had an old Tungar battery charger scrounged from a local battery shop. Other parts were given me by my friend or purchased from a catalogue. On the first attempt of operation I was able to pick up a 10,000 watt clear channel station from Boundbrook, New Jersey which at that time came in loud and clear in Castle Rock, Washington, where I lived. I can remember going to bed with the earphones on my head, going to sleep, then my mother would come in turn off the radio and remove the earphones. Shortly after that I got interested in the fact that airplanes were hauling mail all over the country. Of course the only ones I was familiar with were Varney and Pacific Air Transport (those on the west coast) where the planes would leave Seattle at 7 pm, stop at Tacoma, and then proceed to Portland, Oregon. From Portland, they would either go to San Francisco and East, would proceed East up the Columbia River to Pasco and Spokane. I remember some of them crashed.

Those were rough times for the pilots as they had very few instruments and practically nothing to help in bad weather. Castle Rock is in a pocket between two hills similar to Yakima located between the Selah Gap and Union Gap. There were times in rainy weather when they would fly in circles around town until a break in the overcast would let them proceed. All flights were VFR (visual flight rules).

My friend had the local airway's weather reporting station with a direct telephone line to Swan Island Airport in Portland, Oregon. It sent in cloud formations using a theodolight and a hand held instrument to measure the height, rain, or other information needed to guide pilots through our area. There was an Airway beacon on a hill in town which helped very much.

I really didn't put all my knowledge to good use until 1960, when my Son and I studied for our FCC amateur radio novice license exams. We passed our "Conditional" and received them on June 6, 1960, and have been continuously licensed since. It was quite a struggle as we did it on our own without help from any class that was teaching it. But we succeeded, and I received the call of K7MGA and my Son K7MGB. These calls are the only ones in the world as such. In olden days most radio equipment was built from scratch, buying or scrounging parts from other amateurs or stores that sold the stuff. Then it was painstakingly put together, hoping when you first turned it on it would not go up in smoke. Oh boy. It works. As Novice class we had to use a key and Morse code only. We borrowed a used receiver and purchased a 75 watt transmitter.

Now for the magic moment. Flip the switch, grab the key, listen. If nothing is heard on the frequency, start sending CQ's which is the regular call to get someone to answer. Listen some more; turn the knob a little, what's that? Did I hear my call? Oh boy! Nervous? I'll say. What did the other fellow say? I'll have to listen closer as I call him back. Oh, yes, it is a ham in Bremerton, Washington calling me in the novice band on 75 meters. Got his name as Neil. Wonder of wonders. I'm on the air for the first time. Neil and I contacted each other many times after that as well as having many contacts with other hams; both men and women. It really opened up the world to us.

Now, of course, there is not much building of radios for the hams as parts are hard to get and expensive. The circuits are very complicated and it's better to just buy the radio or other electronic things we have today.

I have been involved in many emergency situations using my radio for communications for search and rescue of lost hunters and airplanes. In 1980 when Mt. St. Helens blew, I was on call with the Cowlitz County Red Cross relaying messages to and from the search sites.

On May 27, 1989 at the local Yakima W7AQ Hamfest a group (17) of us older HAMS decided to start a Central Washington QCWA chapter and petitioned for it through channels. We were issued Chapter #170 with W7CXA as President, K7MGB as Secretary and W7BAV as Treasurer. We have lost a few and gained enough that our membership is static at the present time. We do not hold regular meetings as such but have a social dinner out once a month at different restaurants with our spouses in the Central Washington area.

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A. Section 97.119(g) says that stations operating under a reciprocal operating arrangement must include an appropriate indicator in the station identification announcement. These indicators are specified by the FCC in a notice at http://www.fcc.gov/wtb/amateur/reciparr.html. Section 97.119(g) says that an amateur station licensed by the Government of Canada transmitting from a place where telecommunications are regulated by the FCC must include the indicator after the call sign. Section 97.119(g) also says that all other amateur stations operating under a reciprocal agreement must include the indicator before the call sign.

If you have a question about the FCC rules for the amateur service that would be of general interest to QCWA members, e-mail to John@Johnston.net or postal mail to the byline address.

Chapters on the Air

NO	NAME	DAY	TIME	NC	FREQ
	SO CALIF CW	SUN	1100L	W6WHM	7034
	FL SSB	SAT	1300Z	W4NWF	3955
	QCWA SSB	SUN	2000Z	varies	14347
	FL SSB	WED	1500Z	W4NWF	7274
	NE REGIONAL	SUN	0845L	W2AUF	3917
	QCWA CW	WED	2000E	varies	7035
1	CLEVELAND CH	WED	2000L	W8NZDW	146.88-
2	CHICAGO AREA CH	1stTh	2130L	W9MOL	147.15
5	DELAWARE VALLEY CH	SUN	0945L	W2UAE	3917
6	PITTSBURGH CH	SUN	0830L	W8CSU	147.63
7	SOUTHERN CA	SUN	1000L	W6ZRZ	147.36+
7	SOUTHERN CA	SUN	0900L	W6WHM	3917
7	SOUTHERN CA	SUN	1100L	W6WHM	7234
8	UPPER MIDWEST CH	SAT	0800L	W0KHG	3877
9	SOUTHWEST OH	SUN	1330L	K8YDP	3975
10	MICHIGAN CH	SUN	0800L	VARIES	3903
11	NORTHERN CA	SAT	1000L	W6AQR	146.85-
11	NORTHERN CA	SUN	0930L	WA6AFT	3907
14	SAN DIEGO CH	WED	2000L	K6QS	145.52
16	ARIZONA CH	SUN	0630L	W7ER	3995
17	ALLENTWN-BETHLHEM	SUN	1200L	W3GOS	3990
19	MISSOURI CH	WED	1930L	W9VHL	147.15+
20	BALTIMORE CH	MON	2100L	W3EE	147.285
21	CANTON OH CH	THU	1930L	VARIES	147.18+
25	NEBRASKA CH	SAT	1430Z	VARIES	3982
28	CENTRAL NY	SUN	1030L	VARIES	3990
29	FINGER LAKES CH	SUN	1230L	W2BCH	3900
31	READING,PA CH	MON	2100L	VARIES	146.91
32	GATOR CH	SAT	0900L	VARIES	145.29
33	GUNDERSON PENN-JERSEY	DAILY	2000L	W3APE	3987
35	MIDCONTINENT CH	THU	2030L	KC0CQD	145.21
37	HARRISBURG CH	WED	2100L	K3IUY	147.12
38	SAN ANTONIO CH	SUN	2030L	W5HRF	28650
41	DALLAS CH	SUN	0715L	varies	3835
45	CITRUS CH	TUE	1930L	VARIES	147.195
46	FOUNDER'S CH	SUN	0845L	W2AUF	3917
48	TREASURE COAST CH	DLY	1300Z	KD2XD	7153
48	TREASURE COAST CH	DLY	2045Z	KD2XD	14177.5
49	PEACH STATE CH	SAT	0900E	W9BKJ	3857.5
49	PEACH STATE CH	WED	2000E	W9BKJ	145.41
51	TEX-LA GOLDEN TRI	MON	1830L	VARIES	146.86
55	WI CH	SUN	0830L	W9YCV	3985
58	CO CH	SUN	0900L	W9KRE	3905
58	CO CH	SUN	0930L	VARIES	146.67
62	SUWANNEE CH	SAT	0900L	W4PFJ	3940
63	CENTRAL OK CH	SUN	0800L	W5AS	3855
63	CENTRAL OK CH	THUR	1900L	W5AS	145.41
64	EL PASO CH	SAT	0830L	W5RO	3933
65	NIAGARA FRONTIER	SUN	1330L	W2SD	3900
70	NATIONAL CAPITAL	THUR	2000L	VE3QCW	147.03
73	SOUTHERN ONTARIO	SUN	0900L	VE3AGS	3773
75	CENTRAL CA COAST	SAT	1600Z	VARIES	3917
76	BLUE RIDGE CH	SAT	1300L	W4LSK	3930
77	NORTHERN NJ	THUR	2200L	W2IET	147.030
79	SUNFLOWER CH	WED	2100L	VARIES	146.22+
81	LONG ISLAND CH	FRI	2030L	K2YAW	146.375
81	LONG ISLAND QCWA CH	SUN	1130L	W2TLC	3917
85	ARK-LA-TEX CH	MON	1930L	WA9PZL	146.07+
89	PALMETTO STATE CH	SUN	1700L	VARIES	3695
89	PALMETTO CH	SUN	1700L	VARIES	3695
89	PALMETTO STATE CH	SAT	0900L	K4MFU	3930
91	VIC CLARK CH	SUN	0900L	W4QCW	146.79
94	ROADRUNNER CH	WED	1400L	WB5YYX	146.72
95	EASTERN NY	SUN	1130L	K2YGF	3900
102	DAKOTA CH	SUN	1400Z	VARIES	3889
106	GERMAN CH	MON	1630Z	DL0QCW	3773
106	GERMAN CH	TUE	1700Z	DL1MEB	3573
107	CENTRAL FL	THUR	1230L	W4LHP	14245
107	CENTRAL FL	SAT	0900L	W4LHP	7243
108	BEAVER STATE CH	WED	0800L	W7LVN	3926
109	BATON ROUGE CH	SUN	0830L	VARIES	3905
109	BATON ROUGE CH	SUN	1600L	VARIES	146.79
110	KANSAS CH	SAT	0730L	KA0RZO	3920
112	YANKEE CH	SUN	2030L	W1GCA	3903
114	NORTH TEXAS CH	SAT	1430Z	WA5BXH	3941.5
122	LAKE ERIE TRI-STATE	SUN	0915L	W3QPP	3916
123	LEE DEFOREST CH	SAT	0730L	VARIES	3940
125	NEBRASKA CH	TUES	0100Z	VARIES	146.94
126	PIEDMONT CH	SAT	0845L	VARIES	3935
128	PELICAN CH	SAT	0900L	VARIES	145.29
130	INLAND EMPIRE	WED	1930L	W6HV	1.896MH
130	INLAND EMPIRE	FRI	1600L	W6HV	3862
130	INLAND EMPIRE	SAT	0800L	W6HV	3862
131	GULF COAST CH	TUE	0900L	VARIES	28750
134	PINE TREE	SUN	1930Z	W1QU	3942
135	MID-MICHIGAN CH	TUE	2000L	VARIES	146.70
138	MARCONI CH	TUE	2100L	VARIES	147.045
140	WYOMING CH	SAT	0800L	W7MZWW	3923
142	NORTHWEST OH	WED	2000L	W8FO	147.27+
143	NORTH CO CH	SUN	0830L	VARIES	145.115
146	TWIN STATE CH	SUN	0830L	VARIES	3897
149	NUTMEG CH	SUN	1130L	W1KHL	3923
150	DEL-MAR-VA CH	SUN	0900L	NQ4QW	146.280
151	WILD ROSE CH	MON	1900L	VARIES	3747
152	ROYAL PALM CH	MWF	1300L	K4FA	14178
152	ROYAL PALM CH	T-TH	1300L	W4LZB	7220
154	LEO MEYERSON CH	THUR	1830L	K6AWO	145.480
157	PONY EXPRESS CH	SUN	0830L	W0GGP	3955
160	UTAH CH	SAT	1100L	VARIES	7272
162	SOUTHEAST WI	THUR	2100L	N9NBC	147.27+
165	YORK COUNTY PA	WED	2100L	W3AXC	146.97
169	SACRAMENTO VALLEY	M/THU	1730L	VARIES	3947.5
173	GOLDEN TRI CH	TUE	1930L	W9JRY	147.255
174	WI BADGER	SUN	1600L	VARIES	146.82
181	HUDSON VALLEY CH	TUES	2030L	VARIES	147.060
181	HUDSON VALLEY	SUN	0815L	W2OZA	3917
182	NORTHEAST TN	SUN	2100L	WA4NZT	145.110
183	PIONEER CH	SUN	1030L	W1ALL	3923
188	LOST RIVER CH	1ST W	1915L	K7RFO	146.25+
191	MONTEREY BAY CH	TUES	1930L	VARIES	146.70
194	HAWAII CH	1st S	1500L	VARIES	7088
196	EDISON CH	DAILY	0730L	VARIES	147.345
198	MID SIERRA CH	SAT	0700L	VARIES	3906
205	EASTERN IN	THUR	0100L	VARIES	147.27+

Member Classified

WANTED O1A tube, and person who will rewire partialy restored Atwater Kent 30 radio. W3XQ@juno.com

WANTED: National HRO-5TA1 Receiver. WA2UMP, Jim Miller 32 Garretson Rd. White Plains, NY. 10604 914.644.2603, jmiller@Basit.com

WANTED: Narrow based Vibroplex bug(3 inches or less) with grey or black base. McElroy bug. Signal Magazines. KN9VKY QSL. Brian Roberts, K9VKY, 130 Tara Drive, Fombell, PA 16123 (724) 758-2688. k9vky@stargate.net

WANTED: Operating instructions manual for Type 80386 Computer, 1989 vintage. Buy or borrow to copy. Emil F. Scholz, K4BXD, 5808 East Kimbryer Lane, Inverness FL 34452

FOR SALE/TRADE: Manuals: Collins 75A-3, 51J-4, 51S-1, 312B-4/5, KWM-2/2A, 75S-3B/C, 30L-1, KWS-1. Bernard NI4Q, P.O. Box 690098, Orlando FL 32869-0098. Ph: (407) 351-5536. E-mail: ni4q@juno.com

WANTED: COLLINS KWM2A; Davco DR-30; Drake DSR-1, 2, R7, 1A; Squires Sanders Receiver; Hallicrafters SX-88, SX-73, SX-115; ARC-5 Equipment. Steve, K6PFW, 848 N. Silverwood, Upland, Ca. 91786, Ph. 909-985-1062, E-mail: wsbarnes@eee.org.

WANTED: SE-1071 Western Elec Audion Box or Triode A, Dectector One-Step Amplifier to go with SE-1220. Also, looking for Deforest Interpanel. Mike Bald WD5GLW 7637 S. Quebec Pl., Tulsa, OK 74136. Ph: 918-492-7361. E-Mail: RadioMB@aol.com

Looking for former comrades (radio operators, or others) of the 20th Armored Division who served in WWII. Fred Steuve, KØTCS. E-mail: k0tvs@arkansas.net

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First Licensed, Year _____

Deposit Record _____

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having been licensed as an amateur 25 or more years ago and presently holding the call listed above (it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA. I understand that proof of the original date of licensing is required. My complete mailing address is:

_____
Street Address City State Zip

I will keep QCWA Headquarters advised of changes in my address and/or callsign. My first amateur license was issued_____ Other calls held_____
I wish to become affiliated with QCWA Chapter_____
Date of birth_____ Birthplace_____
Present occupation/business _____
If retired, what was major life work? _____
Other organizations you belong to_____
Your signature_____

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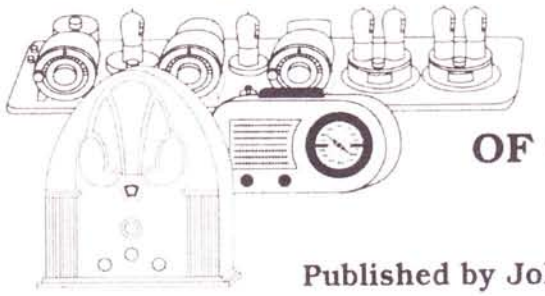

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